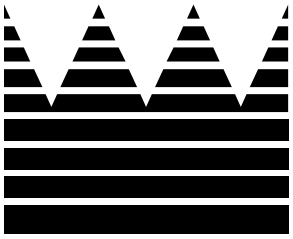

Models 340/341/342

Slush Freezers

Service Manual

028764-S

11/10/08

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CAUTION: Information in this manual is intended to be used by Taylor Authorized Service Technicians only.

Note: Continuing research results in steady improvements; therefore, information in this manual is subject to change without notice.

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028764-S

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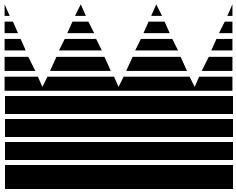


Section 1: Introduction

- **Safety**
- **Specifications**
- **Running Specifications**
- **General Installation Instructions**
- **Environmental Notices**

Safety

We at Taylor are committed to manufacturing safe operating and serviceable equipment. The many built–in safety features that are part of all Taylor equipment are aimed at protecting operators and trained service technicians alike.

This manual is intended exclusively for Taylor authorized service personnel.

DO NOT attempt to run the equipment unless you have been properly trained to do so.

CAUTION: THIS EQUIPMENT MUST BE PROPERLY GROUNDED! Do not operate this freezer unless it is properly grounded and all service panels and access doors are restrained with screws. Failure to do so can result in severe personal injury from electrical shock!

- **DO NOT** attempt any repairs unless the main power supply to the freezer has been disconnected.
- **DO NOT** operate the freezer with larger fuses than specified on the data label.
- Stationary appliances which are not equipped with a power cord and a plug or other device to disconnect the appliance from the power source must have an all–pole disconnecting device with a contact gap of at least 3 mm installed in the external installation.
- Appliances that are permanently connected to fixed wiring and for which leakage currents may exceed 10 mA, particularly when disconnected or not used for long periods, or during initial installation, shall have protective devices such as a GFI, to protect against the leakage of current, installed by the authorized personnel to the local codes.
- Supply cords used with this unit shall be oil–resistant, sheathed flexible cable not lighter than ordinary polychloroprene or other equivalent synthetic elastomer–sheathed cord (Code designation 60245 IEC 57) installed with the proper cord anchorage to relieve conductors from strain, including twisting, at the terminals and protect the insulation of the conductors from abrasion.

Failure to follow these instructions may result in electrocution or damage to the machine.

Note: This unit is provided with an equipotential grounding lug that is to be properly attached to either the rear of the frame or the under side of the base pan near the entry hole for incoming power, by the authorized installer. The installation location is marked by the equipotential bonding symbol (5021 of IEC 60417-1) on both the removable panel and the equipment's frame, as well as on the diagram.

DO NOT remove the freezer door or any internal operating parts (examples: beater, scraper blades, etc.) unless all control switches are in the OFF position. Failure to follow these instructions may result in severe personal injury from hazardous moving parts.

THIS UNIT HAS MANY SHARP EDGES THAT CAN CAUSE SEVERE INJURIES.

Examples:

- scraper blades
- condenser fins

This unit must be installed on a level surface to avoid the hazard of tipping. Extreme care should be taken in moving this equipment for any reason.

Two or more people are required to safely move this unit. Failure to comply may result in personal injury or equipment damage.

This unit must **NOT** be installed in an area where a water jet or hose can be used. **NEVER** use a water jet or hose to rinse or clean this unit. Using a water jet or hose on or around this equipment may result in electrocution to the user or damage to the equipment.

Cleaning and sanitizing schedules are governed by your state or local regulatory agencies and must be followed accordingly. Please refer to the cleaning section of the Operator Manual for the proper procedure to clean this unit.

Model 340 Specifications

Freezing Cylinder

One, 7 quart (6.6 liter) capacity.

Mix Hopper

One, 20 quart (18.9 liter) capacity.

Beater Motor

One, .25 hp. motor.

Refrigeration Unit

One, approximately 6,000 btu/hr compressor.

Refrigerant 404A.

Electrical

Electrical	One dedicated connection.	
	Maximum Fuse Size	Minimum Circuit Ampacity
115/60/1 Air	30	20
115/60/1 Water	25	18
208-230/60/1 Air	20	14
208-230/60/1 Water	20	14
220-240/50/1 Air	15	11

For exact electrical information, always refer to the data label of the unit.

Air Cooled

Clearance: 6" (152 mm) around both sides. It is recommended to install a skirt to one side of the unit and place the back of the unit against a wall.

Water Cooled

Water inlet and drain connections under side of base 3/8" FPT.

Dimensions

Width: 18-7/16" (468 mm)

Depth: 31" (787 mm)

Height: 36-3/8" (924 mm)

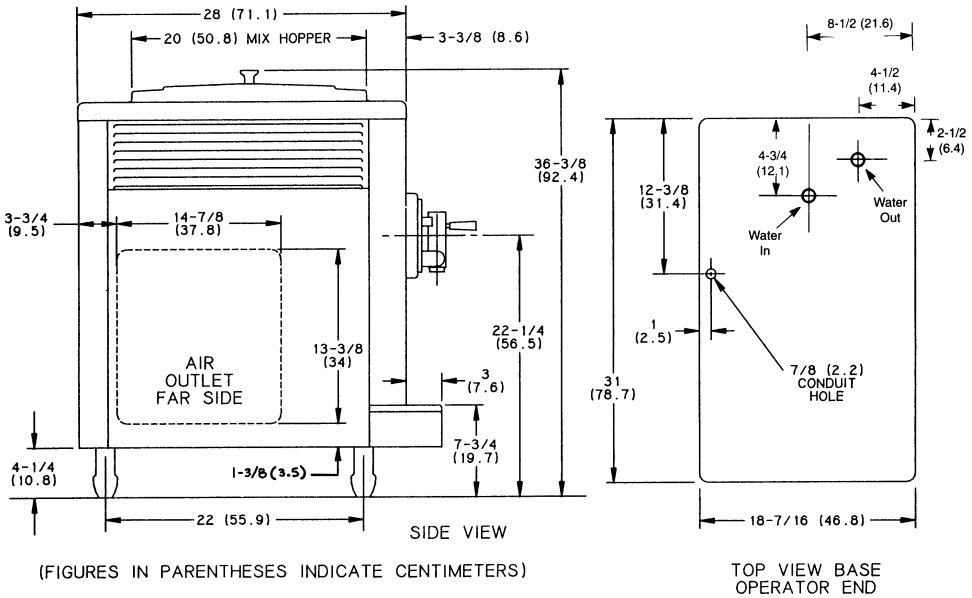
Counter Clearance: 4-1/4" (108 mm) mounted on standard legs.

Approximate Weights

Net: 253 lbs. (114.8 kgs.)
Crated: 321 lbs. (145.6 kgs), 20 cu. ft. (.56 cu. m.)

Specifications are subject to change without notice.

This unit is designed and constructed to meet stringent safety and sanitation requirements for NSF, UL, and CSA.



(FIGURES IN PARENTHESES INDICATE CENTIMETERS)

Model 341 Specifications

Freezing Cylinder

One, 7 quart (6.6 liter) capacity.

Mix Hopper

One, 20 qt. (18.9 liter) capacity.

Beater Motor

One, .25 hp. motor.

Refrigeration Unit

One, approximately 7,500 btu/hr compressor.

Refrigerant 404A.

Electrical

Electrical	One dedicated connection.	
	Maximum Fuse Size	Minimum Circuit Ampacity
115/60/1 Air	40	29
115/60/1 Water	30	22
208-230/60/1 Air	20	16
208-230/60/3 Air	15	13
220-240/50/1 Air	15	13
380-415/50/3N~Air	10	9

For exact electrical information, always refer to the data label of the unit.

Air Cooled

Clearance: 3" (76 mm) around all sides. A deflector has been added to the underside.

Water Cooled

Water inlet and drain connections under side of base 3/8" FPT.

Dimensions

Width: 18-7/16" (468 mm)

Depth: 30" (762 mm)

Height: 59-7/8" (1521 mm)

Counter Clearance: 7-1/2" (191 mm) mounted on standard legs.

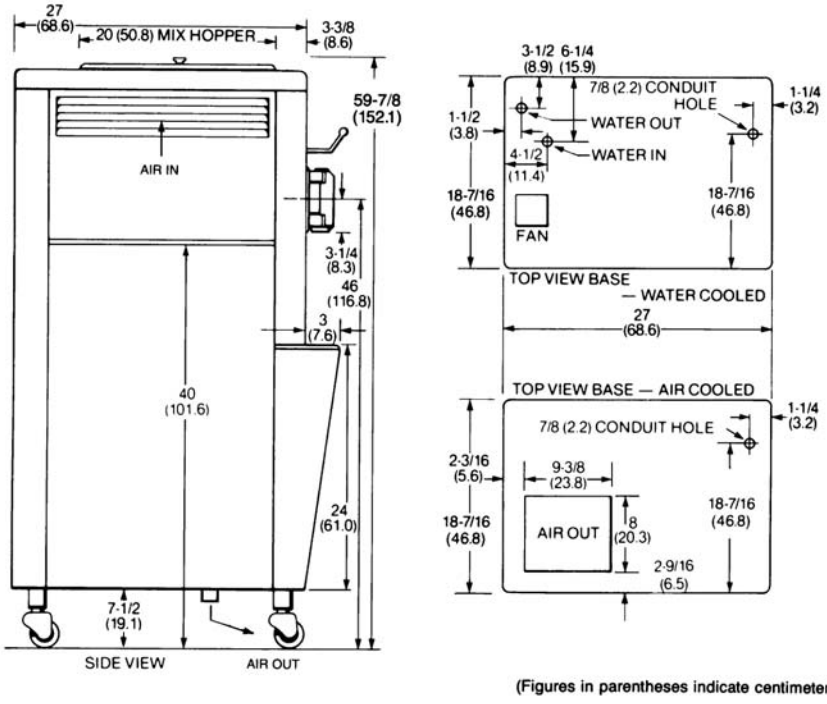
Approximate Weights

Net: 393 lbs. (178.3 kgs.)

Crated: 458lbs. (207.8 kgs), 35.4 cu. ft. (.99 cu. m.)

Specifications are subject to change without notice.

This unit is designed and constructed to meet stringent safety and sanitation requirements for NSF, UL, and CSA.



(Figures in parentheses indicate centimeters)

Model 342 Specifications

Freezing Cylinder

Two, 7 quart (6.6 liter) capacity.

Mix Hopper

Two, 20 quart (18.9 liter) capacity.

Beater Motor

Two, .25 hp. motor.

Refrigeration Unit

Two, approximately 7,500 btu/hr compressors.

Refrigerant 404A.

Electrical

Electrical	Two dedicated connections.			
	Maximum Fuse Size		Minimum Circuit Ampacity	
Electrical	Left	Right	Left	Right
115/60/1 Air	40	30	29	21
208-230/60/1 Air	20	20	16	13
208-230/60/1 Water	20	20	14	13
208-230/60/3 Air	15	15	13	9
220-240/50/1 Air	15	15	14	10
380-415/50/3N~Air	10	7	9	6

For exact electrical information, always refer to the data label of the unit.

Air Cooled

Clearance: Minimum 3" (76 mm) around all sides. A deflector is provided to prevent recirculation of warm air.

Water Cooled

Water inlet and drain connections under side of base 1/2" FPT.

Dimensions

Width: 26-7/16 (672 mm)

Depth: 33" (838 mm)

Height: 59-7/8 (1521 mm)

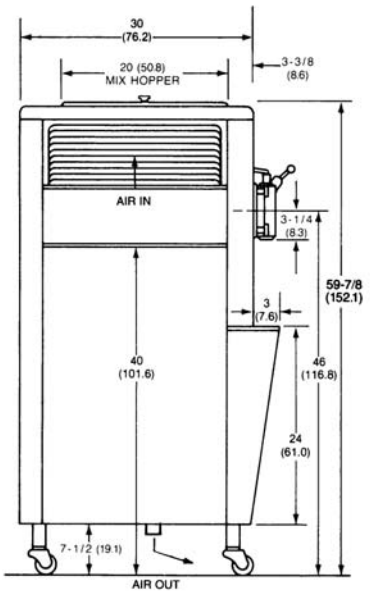
Floor Clearance: 7-1/2" (191 mm) mounted on standard casters.

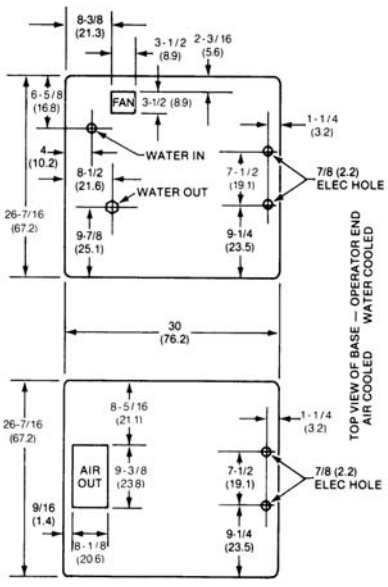
Approximate Weights

Net: 519 lbs. (235.4 kgs.)
Crated: 609 lbs. (276.2 kgs), 48.1 cu. ft. (1.3 cu. m.)

Specifications are subject to change without notice.

This unit is designed and constructed to meet stringent safety and sanitation requirements for NSF, UL, and CSA.





Running Specifications

Expansion Valve Setting

R404A

340–12: 38 – 39 PSI (262 – 268 kPa.)
340–27, 341 & 342: 35 – 36 PSI (241 – 248 kPa.)

Low Side Pressure

Low side pressure = expansion valve setting.

To adjust the low side pressure, place the gauge on the low side suction port at the compressor. With the compressor running, turn the adjustment knob of the automatic expansion valve clockwise to raise low side pressure and counterclockwise to lower pressure.

High Side Pressure

Air Cooled: The following chart indicates normal operating head pressures at various ambient temperatures:

Ambient Temperature		Normal Operating Head Pressures
F.	C.	PSI
70°	21.1°	240 – 270 (1,655 – 1,862 kPa.)
80°	26.7°	270 – 300 (1,862 – 2,069 kPa.)
90°	32.2°	300 – 340 (2,069 – 2,344 kPa.)
100°	37.8°	340 – 380 (2,344 – 2,620 kPa.)

E.P.R. Valve Setting (Dairy Units, Only)

38 – 40 PSIG (262 – 276 kPa.) for normal product at temperatures of 27° to 30°F (–2.8°C to –1.1°C).

1 PSI (7 kPa) lower for every 2°F (1.1°C) colder product.
1 PSI (7 kPa) higher for every 2°F (1.1°C) warmer product.

Note: If product in the freezing cylinder contains alcohol (liquor) the expansion valve pressure setting may have to be reduced approximately 10 PSI (70 kPa) to attain the desired product consistency. It may be necessary to reduce the pressure setting further, depending on the level of alcohol content.

General Installation Instructions

The following are general installation instructions. For complete installation details, please see the check out card.

Site Preparation

Review the area the unit is to be installed in before uncrating the unit. Make sure that all possible hazards the user or equipment may come into have been addressed.

Clearance: Air Cooled Units

The Model 340 requires a minimum of 6" (152 mm) of clearance around both sides of the freezer. The Models 341 and 342 require 3" (76 mm) of clearance around all sides.

DO NOT obstruct air intake and discharge openings.

Failure to allow proper clearance and airflow may cause poor freezer performance and damage to the machine.

For Indoor Use Only: This unit is designed to operate indoors, under normal ambient temperatures of 70° - 75°F (21° - 24°C). The freezer has successfully performed in high ambient temperatures of 104°(40°C) at reduced capacities.

This unit must **NOT** be installed in an area where a water jet or hose can be used. **NEVER** use a water jet or hose to rinse or clean this unit. Using a water jet or hose on or around this equipment may result in electrocution to the user or damage to the equipment.

This unit must be installed on a level surface to avoid the hazard of tipping. Extreme care should be taken in moving this equipment for any reason.

Two or more people are required to safely move this unit. Failure to comply may result in personal injury or equipment damage.

Uncrate the machine. Inspect the unit for damage. Report any damage to the Taylor factory immediately.

This piece of equipment is made in the USA and has USA sizes of hardware. All metric conversions are approximate and vary in size.

Installer Safety

In all areas of the world, equipment should be installed in accordance with existing local codes. Please contact your local authorities if you have any questions.

Care should be taken to ensure that all basic safety practices are followed during the installation and servicing activities related to the installation and service of Taylor equipment.

- Only authorized Taylor service personnel should perform installation and repairs on the equipment.
- Authorized service personnel should consult OSHA Standard 29CFRI910.147 or the applicable code of the local area for the industry standards on lockout/tagout procedures before beginning any installation or repairs.
- Authorized service personnel must ensure that the proper PPE is available and worn when required during installation and service.
- Authorized service personnel must remove all metal jewelry, rings, and watches before working on electrical equipment.

THIS UNIT HAS MANY SHARP EDGES THAT CAN CAUSE SEVERE INJURIES.

Examples:

- scraper blades
- condenser fins
- cup/cone dispenser (if applicable)

Electrical Connections

In the United States, this equipment is intended to be installed in accordance with the National Electrical Code (NEC), ANSI/NFPA 70-1987. The purpose of the NEC code is the practical safeguarding of persons and property from hazards arising from the use of electricity. This code contains provisions considered necessary for safety.

In all other areas of the world, equipment should be installed in accordance with the existing local codes. Please contact your local authorities.

Each unit requires one power supply for each data label on the unit. Check the data label on the unit for fuse, circuit ampacity and other electrical specifications.

Refer to the wiring diagram provided inside of the electrical box for proper power connections.

FOLLOW YOUR LOCAL ELECTRICAL CODES!

CAUTION: THIS EQUIPMENT MUST BE PROPERLY GROUNDED! FAILURE TO DO SO CAN RESULT IN SEVERE PERSONAL INJURY FROM ELECTRICAL SHOCK!

Note: This unit is provided with an equipotential grounding lug that is to be properly attached to either the rear of the frame or the under side of the base pan near the entry hole for incoming power, by the authorized installer. The installation location is marked by the equipotential bonding symbol (5021 of IEC 60417-1) on both the removable panel and the equipment's frame, as well as on the diagram.

- **DO NOT** operate the freezer with larger fuses than specified on the data label.
- Stationary appliances which are not equipped with a power cord and a plug or another device to disconnect the appliance from the power source must have an all-pole disconnecting device with a contact gap of at least 3mm installed in the external installation.
- Appliances that are permanently connected to fixed wiring and for which leakage currents may exceed 10 mA, particularly when disconnected or not used for long periods, or during initial installation, shall have protective devices such as a GFI, to protect against the leakage of current, installed by the authorized personnel to the local codes.
- Supply cords used with this unit shall be oil-resistant, sheathed flexible cable not lighter than ordinary polychloroprene or other equivalent synthetic elastomer-sheathed cord (Code designation 60245 IEC 57) installed with the proper cord anchorage to relieve conductors from strain, including twisting, at the terminals and protect the insulation of the conductors from abrasion.

Failure to follow these instructions may result in electrocution or damage to the machine.

Beater Rotation

Beater rotation must be **clockwise** as viewed looking into the freezing cylinder.

The following repairs must be performed by an authorized Taylor Service Technician.

Disconnect all power to the unit. Failure to follow this instruction may result in electrocution.

To correct rotation on a three-phase unit, interchange any two incoming power supply lines at the freezer main terminal block only.

To correct rotation on a single-phase unit, change the leads inside the beater motor by following the diagram printed on the motor label.

Water Connections
(Water Cooled Units, Only)

An adequate cold water supply must be provided with a hand shut-off valve. The water inlet and drain connections are located on the right side or the underside of the base. These connections are either 3/8" or 1/2" FTP, depending on the model of the unit. (Refer to "Model Specifications".)

Flexible lines are recommended, if local codes permit. In Europe, hose sets for connection of appliances to the water mains must comply to the international IEC 61770 standard.

The water expansion valve setting should be set at 255 PSIG (1758 kPa).

Depending on local water conditions, it may be advisable to install a water strainer to prevent foreign substances from clogging the automatic water valve. There will be only one water "in" and one water "out" connection.

DO NOT install a hand shut-off valve on the water "out" line! Water should always flow in this order: first, through the automatic water valve; second, through the condenser; and third, through the outlet fitting to an **open trap drain.**

A back flow prevention device is required on the incoming water connection side. Please refer to the applicable National, State, and local codes for determining the proper configuration.

Refrigerant

In consideration of our environment, Taylor proudly uses only earth friendly HFC refrigerants. The HFC refrigerant used in this unit is R404A. This refrigerant is generally considered non-toxic and non-flammable, with an Ozone Depleting Potential (ODP) of zero (0).

However, any gas under pressure is potentially hazardous and must be handled with caution.

NEVER fill any refrigerant cylinder completely with liquid. Filling the cylinder to approximately 80% will allow for normal expansion.

Refrigerant liquid sprayed onto the skin may cause serious damage to tissue. Keep eyes and skin protected. If refrigerant burns should occur, flush immediately with cold water. If burns are severe, apply ice packs and contact a physician immediately.

Taylor reminds technicians to be cautious of government laws regarding refrigerant recovery, recycling, and reclaiming systems. If you have any questions regarding these laws, please contact the factory Service Department.

WARNING: R404A refrigerant used in conjunction with polyolester oils is extremely moisture absorbent. When opening a refrigeration system, the maximum time the system is open must not exceed 15 minutes. Cap all open tubing to prevent humid air or water from being absorbed by the oil.

Compressor Warranty Disclaimer

The refrigeration compressor(s) on this machine are warranted for the term indicated on the warranty card accompanying this machine. However, due to the Montreal Protocol and the U.S. Clean Air Act Amendments of 1990, many new refrigerants are being tested and developed; thus seeking their way into the service industry. Some of these new refrigerants are being advertised as drop–in replacements for numerous applications. It should be noted that, in the event of ordinary service to this machine's refrigeration system, only the refrigerant specified on the affixed data label should be used. The unauthorized use of alternate refrigerants will void your compressor warranty. It will be the owners' responsibility to make this fact known to any technicians they employ.

It should be noted, that Taylor does not warrant the refrigerant used in its equipment. For example, if the refrigerant is lost during the course of ordinary service to this machine, Taylor has no obligation to either supply or provide its replacement either at billable or unbillable terms. Taylor does have the obligation to recommend a suitable replacement if the original refrigerant is banned, obsoleted, or no longer available during the five year warranty of the compressor.

Taylor will continue to monitor the industry and test new alternates as they are being developed. Should a new alternate prove, through our testing, that it would be accepted as a drop–in replacement, then the above disclaimer would become null and void. To find out the current status of an alternate refrigerant as it relates to your compressor, call the local Taylor Distributor or the Taylor Factory. Be prepared to provide the model/serial number of the unit in question.

Environmental Notices

In consideration of our environment, Taylor proudly uses only earth friendly HFC refrigerants. The HFC refrigerant used in this unit is R404A. This refrigerant is generally considered non-toxic and non-flammable, with an Ozone Depleting Potential (ODP) of zero (0).

However, any gas under pressure is potentially hazardous and must be handled with caution.

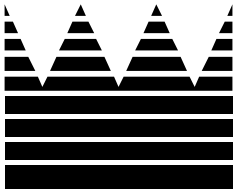
If the crossed out wheeled bin symbol is affixed to this product, it signifies that this product is compliant with the EU Directive as well as other similar legislation in effect after August 13, 2005. Therefore, it must be collected separately after its use is completed, and cannot be disposed as unsorted municipal waste.

The user is responsible for returning the product to the appropriate collection facility, as specified by your local code.

For additional information regarding applicable local laws, please contact the municipal facility and/or local distributor.

NOISE LEVEL: Airborne noise emission does not exceed 78 dB(A) when measured at a distance of 1.0 meter from the surface of the machine and at a height of 1.6 meters from the floor.

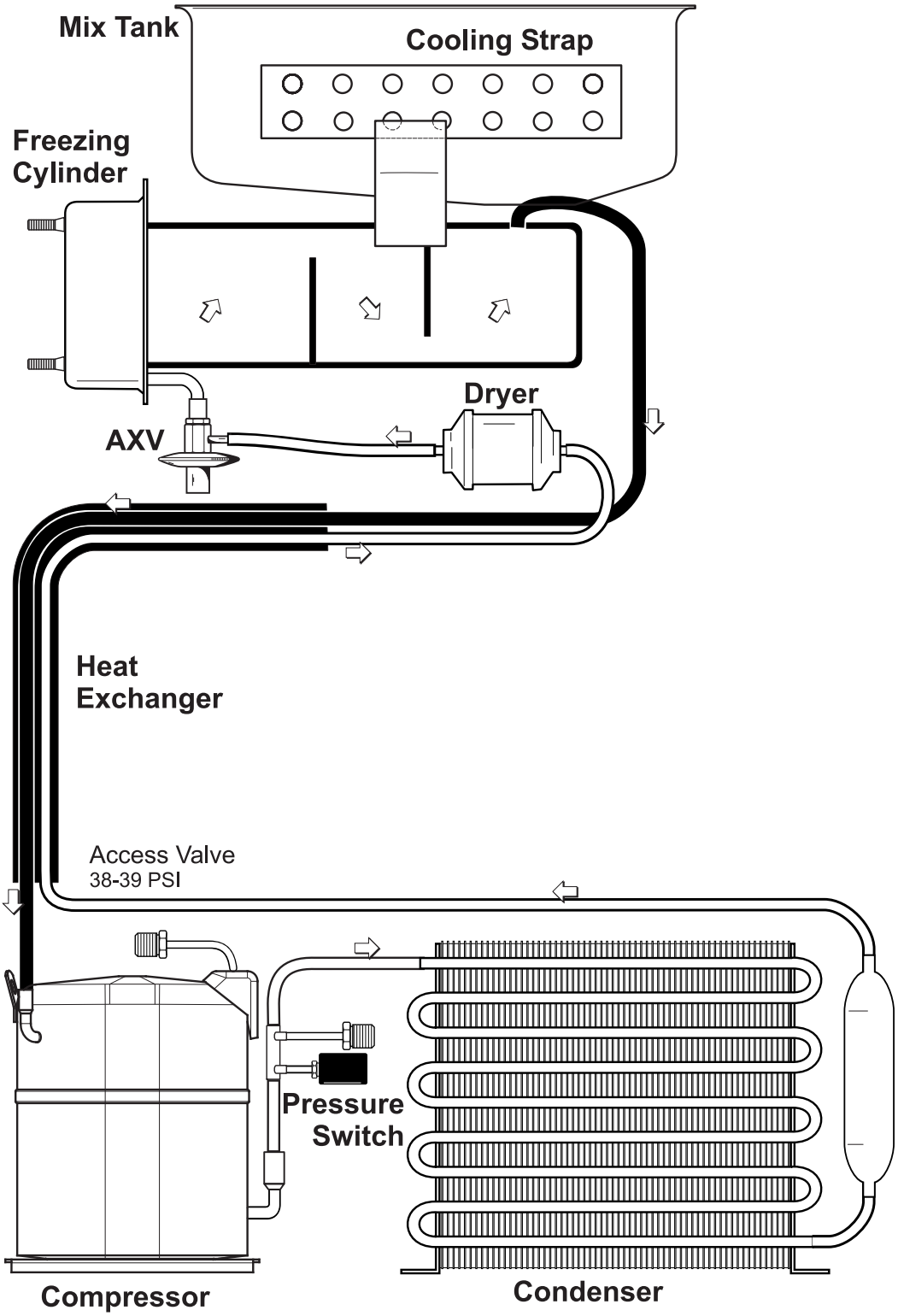
Notes:



Section 2: Systems and Controls

- **Refrigeration System**
- **Torque Control**

Refrigeration System



Torque Control

Function/Operation

The thickness (and indirectly the temperature) of the slush is controlled by a sensing device called the Torque Switch. The refrigeration system is brought on and off by a microswitch.

Inside the beater is a torque rotor to sense the thickness of the product in the freezing cylinder. The torque rotor should be inserted in the beater drive shaft at the rear, and in the center of the door at the front. When the beater turns, the moving product freezes and exerts a clockwise pressure against the rotor as the product thickens. This pressure is transmitted to a torque arm, operating arm and spring.

When enough tension is produced, the microswitch is tripped, breaking current to the holding coil of the compressor; cycling the system off. As soon as the compressor cycles off, the timer starts its 10 minute timing period. When 10 minutes have elapsed, power is sent through the timer to the solenoid. The solenoid pulls the operating arm to the left, tripping the microswitch. The microswitch sends power to the holding coil of the compressor contactor; and the system starts. When the product reaches serving viscosity, the torque arm moves to the right, tripping the microswitch, and the compressor stops. At this time, the timer resets back to “0”.

When the draw handle is raised, the anticipator arm assembly moves the torque arm to the left, tripping the microswitch; starting the compressor.

To product a hard slush, the beater, torque arm, torque rotor and adjustment spring will have to changed. The adjustment spring is stronger, therefore, the torque arm has to work harder to trip the microswitch.

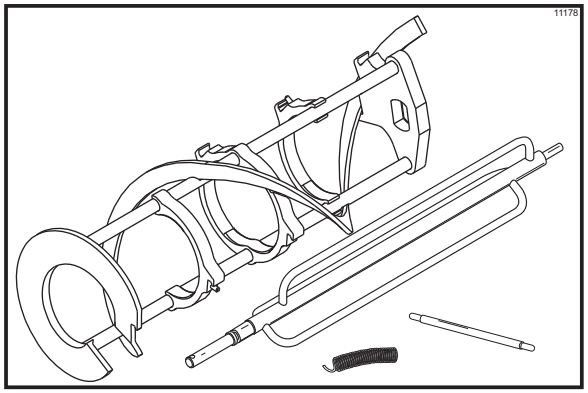


Figure 1

Adjusting the Torque Switch

To achieve a thicker slush consistency, turn the adjustment knob **clockwise**. This will increase the spring tension, making it more difficult for the torque arm to overcome the spring tension to trip the microswitch.

To achieve a thinner slush consistency, turn the adjustment knob **counter-clockwise**, to decrease the spring tension.

Component Replacement

Note: DO NOT attempt any repairs unless the MAIN POWER SUPPLY TO THE FREEZER HAS BEEN DISCONNECTED. Failure to follow this instruction may result in electrocution.

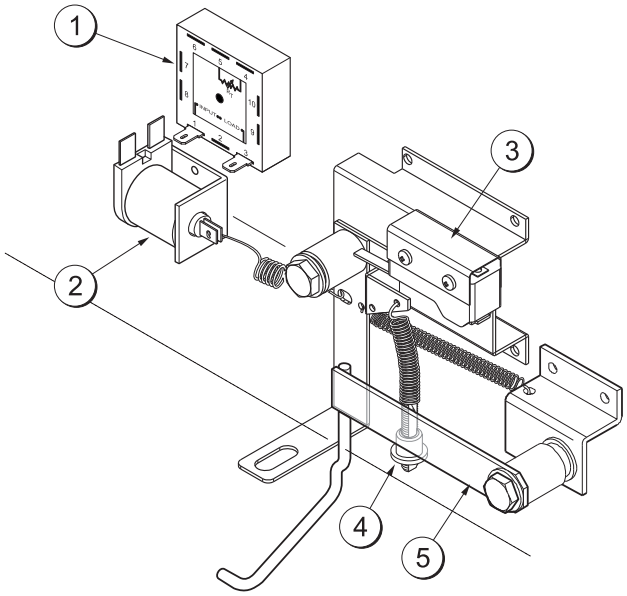


Figure 2

ITEM	DESCRIPTION
1	Timer
2	Solenoid
3	Microswitch
4	Adjustment Knob
5	Mechanical Anticipator Arm

If the timer, microswitch, toggle switch or solenoid is faulty, simply replace by:

Note: DO NOT attempt any repairs unless the MAIN POWER SUPPLY TO THE FREEZER HAS BEEN DISCONNECTED. Failure to follow this instruction may result in electrocution.

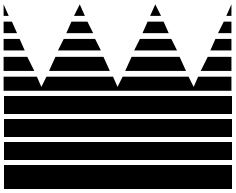
Step 1
Remove the front switch cover assembly.

Step 2
Disconnect the wires to the particular component.

Step 3
Remove the mounting screws and pull the component out.

Step 4
Install the new component, following the reverse procedure of the above steps.

Step 5
Check for proper adjustment and operation of the component.



Section 3: Troubleshooting

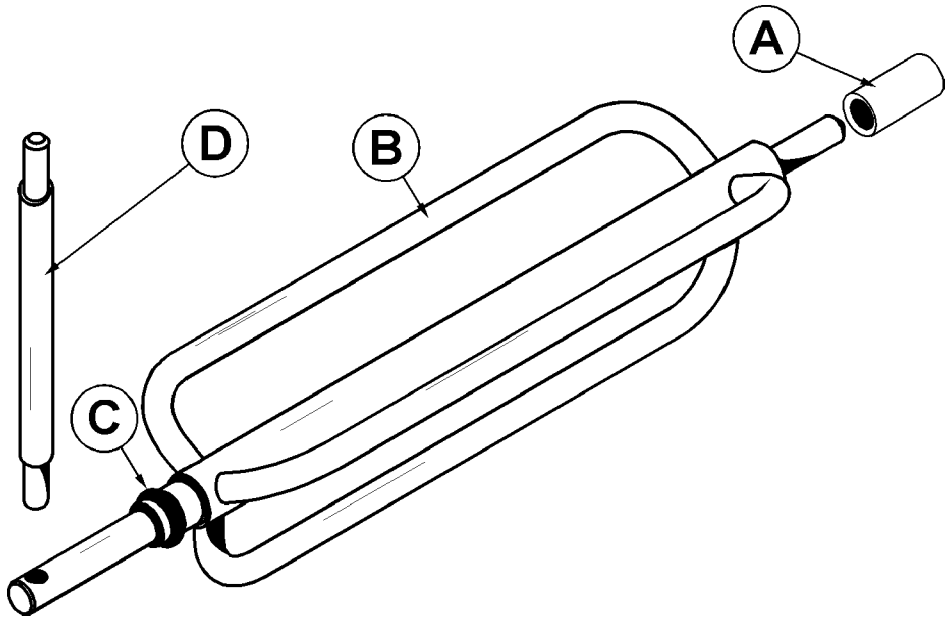
- **General Troubleshooting Guide**
- **Troubleshooting Torque Components**

General Troubleshooting Guide

PROBLEM	PROBABLE CAUSE	REMEDY
1. No product is being dispensed with the draw valve opened.	a. Improper mixing of product.	a. Carefully follow the directions for mixing the product.
	b. There is a mix low condition.	b. Add mix to the mix hopper.
	c. The torque arm is not installed.	c. Install the torque arm.
	d. The torque rotor is bent or improperly installed.	d. Replace the bent rotor or follow the assembly procedures.
2. The product is too thin.	a. Improper mixing of product.	a. Carefully follow the directions for mixing product.
	b. Scraper blades are missing or incorrectly installed.	b. Replace or install the scraper blades correctly.
	c. The consistency control knob needs adjusting.	c. Adjust accordingly.
	d. The torque rotor bound, leaving the torque arm in the “COLD” position. Therefore, the compressor will not run. (Far Right)	d. Free the torque rotor.
3. The product is too stiff.	a. The torque rotor bound, leaving the torque arm in the “WARM” position. Therefore, the compressor continually runs. (Far Left)	a. Free the torque rotor.
	b. The torque arm is bent or is missing.	b. Install or replace the torque arm.
	c. The consistency control knob needs adjusting.	c. Adjust accordingly.
	d. Improper mixing of product.	d. Carefully follow the directions for mixing product.
	e. There is insufficient product in the freezing cylinder.	e. Keep the hopper full of mix.
4. The walls of the freezing cylinder are scored.	a. Broken beater pins.	a. Repair or replace the beater assembly.
	b. The gear unit is out of alignment.	b. Align the gear unit.
	c. The beater assembly is bent.	c. Repair or replace the beater assembly.
	d. The front bearing is missing.	d. Replace or install the front bearing.

PROBLEM	PROBABLE CAUSE	REMEDY
5. Unable to remove the drive shaft.	a. There is lubrication on the square end of the drive shaft.	a. Remove lubrication from the square end of the drive shaft.
	b. The corners of the drive shaft and/or drive coupling are bent.	b. Replace the drive shaft and/or drive coupling.
6. There is excessive mix leakage in the rear drip pan.	a. There is improper or inadequate lubrication on the drive shaft o-ring or seal.	a. Use an approved food grade lubricant (Example: Taylor Lube) and follow the lubrication procedures.
	b. Bad or missing o-ring or seal on drive shaft.	b. Replace every 3 months.
	c. The rear shell bearing is worn.	c. Replace the rear shell bearing.
7. There is no freezer operation with the unit in the “AUTO” position.	a. The unit is unplugged.	a. Plug cord in wall receptacle.
	b. The beater motor has tripped.	b. Place the power switch in the “OFF” position. Allow the motor to cool and then resume normal operation.
	c. The circuit breaker is tripped or the fuse is blown.	c. Reset the circuit breaker or replace the blown fuse.
8. The unit is not freezing product when in the “AUTO” position.	a. The torque rotor bound, leaving the torque arm in the “COLD” position. Therefore, the compressor will not run. (Far Right)	a. Free the torque rotor.
	b. The torque arm is bent.	b. Replace the torque arm.
	c. The condensers are dirty.	c. Clean the condensers regularly.
9. The guide bearing is missing.	a. The guide bearing is stuck in the drive shaft.	a. Remove the guide bearing from the hole in the drive shaft.
10. There is excessive leakage from the door spout.	a. There is improper or inadequate lubrication on the draw valve o-rings.	a. Use an approved food grade lubricant (Example: Taylor Lube) and follow the lubrication procedures.
	b. The draw valve o-ring is bad or missing.	b. Replace o-rings every three months.
11. The door will not go into position easily.	a. The beater assembly is incorrectly positioned.	a. The open end of the beater assembly should be in the 11 o’clock position.

Troubleshooting Torque Components



A. A missing or worn guide bearing will cause uneven movement of the rotor system, and will result in product inconsistencies (too stiff/too thin). If product becomes too stiff, the door, torque arm, torque rotor and torque lever may be damaged.

B. Any distortion or incorrect assembly of the torque rotor will damage the torque components.

C. If incorrectly sized, damaged or improperly lubricated o-rings are used, the rotor, door, torque arm, torque rotor and torque lever may be damaged.

D. If the torque arm is missing, the product will freeze and the pulley belt will begin slipping. The beater reset will then deactivate freezer operation. In addition, torque components may be damaged.

Section 4: Parts

- **Part Warranty Explanation**
- **Operator Parts Identification**
- **Exploded Views**
- **Complete Parts List**
- **Wiring Diagrams**

Warranty Explanation

Class 103 Parts: The warranty for new equipment parts is one year from the original date of unit installation, with a replacement parts warranty of three months.

Class 212 Parts: The warranty for new equipment parts is two years from the original date of unit installation, with a replacement parts warranty of twelve months.

Class 512 Parts: The warranty for new equipment parts is five years from the original date of unit installation, with a replacement parts warranty of twelve months.

Class 000 Parts: Wear Items - no warranty.

CAUTION: Warranty is valid only if the parts are authorized Taylor parts, purchased from an authorized Taylor Distributor, and the required service work is provided by an authorized Taylor service technician.

Taylor reserves the right to deny warranty claims on equipment or parts if non-approved parts or refrigerant were installed in the machine, system modifications were performed beyond factory recommendations, or it is determined that the failure was caused by neglect or abuse.

Compressor Warranty Disclaimer

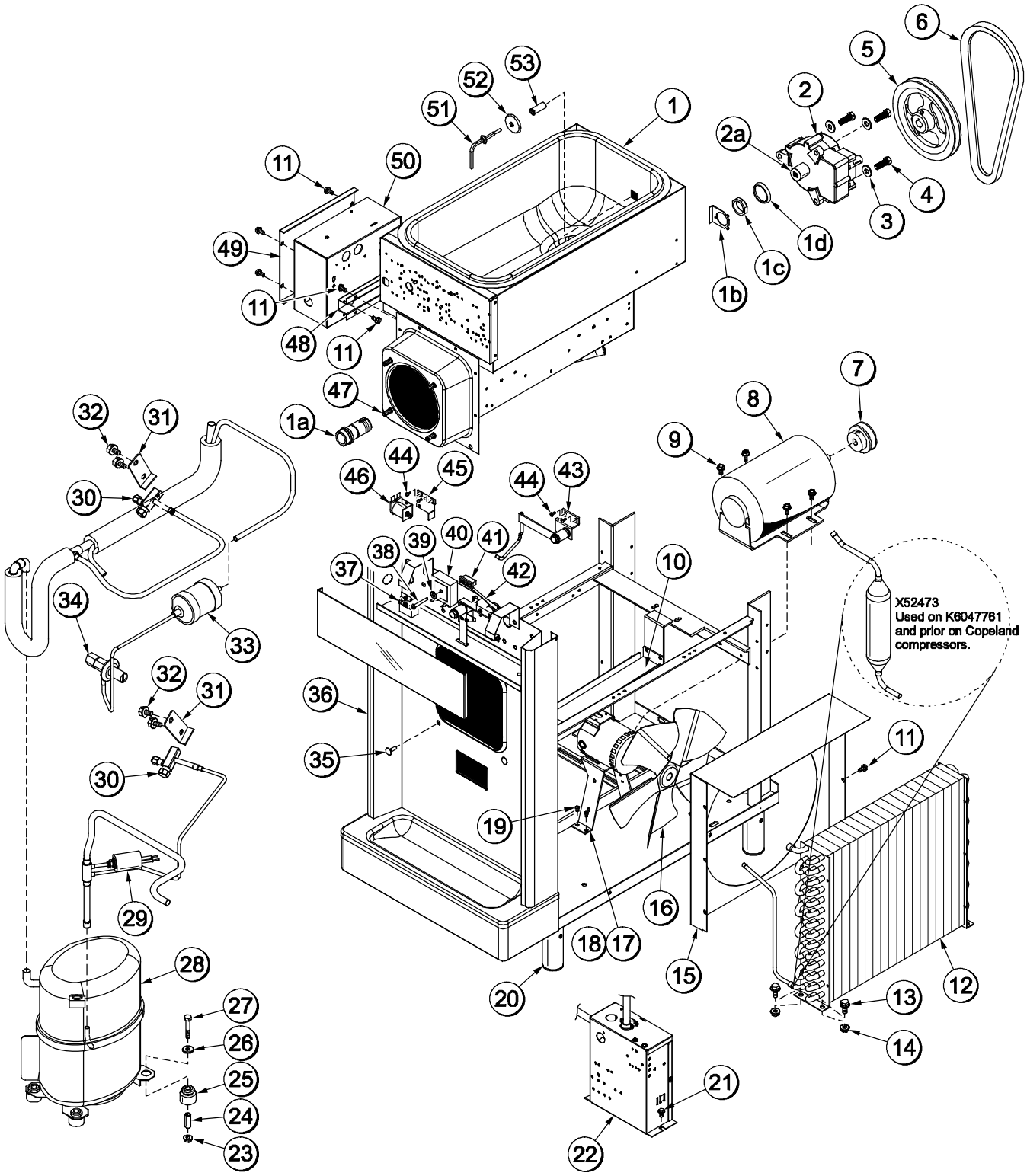
The refrigeration compressor(s) on this machine are warranted for the term indicated on the warranty card accompanying this machine. However, due to the Montreal Protocol and the U.S. Clean Air Act Amendments of 1990, many new refrigerants are being tested and developed; thus seeking their way into the service industry. Some of these new refrigerants are being advertised as drop-in replacements for numerous applications. It should be noted that, in the event of ordinary service to this machine's refrigeration system, only the refrigerant specified on the affixed data label should be used. The unauthorized use of alternate refrigerants will void your compressor warranty. It will be the owners' responsibility to make this fact known to any technicians they employ.

It should be noted, that Taylor does not warrant the refrigerant used in its equipment. For example, if the refrigerant is lost during the course of ordinary service to this machine, Taylor has no obligation to either supply or provide its replacement either at billable or unbillable terms.

Taylor will continue to monitor the industry and test new alternates as they are being developed. Should a new alternate prove, through our testing, that it would be accepted as a drop-in replacement, then the above disclaimer would become null and void. To find out the current status of an alternate refrigerant as it relates to your compressor, call the local Taylor Distributor or the Taylor Factory. Be prepared to provide the model/serial number of the unit in question.

Notes:

340 Exploded View

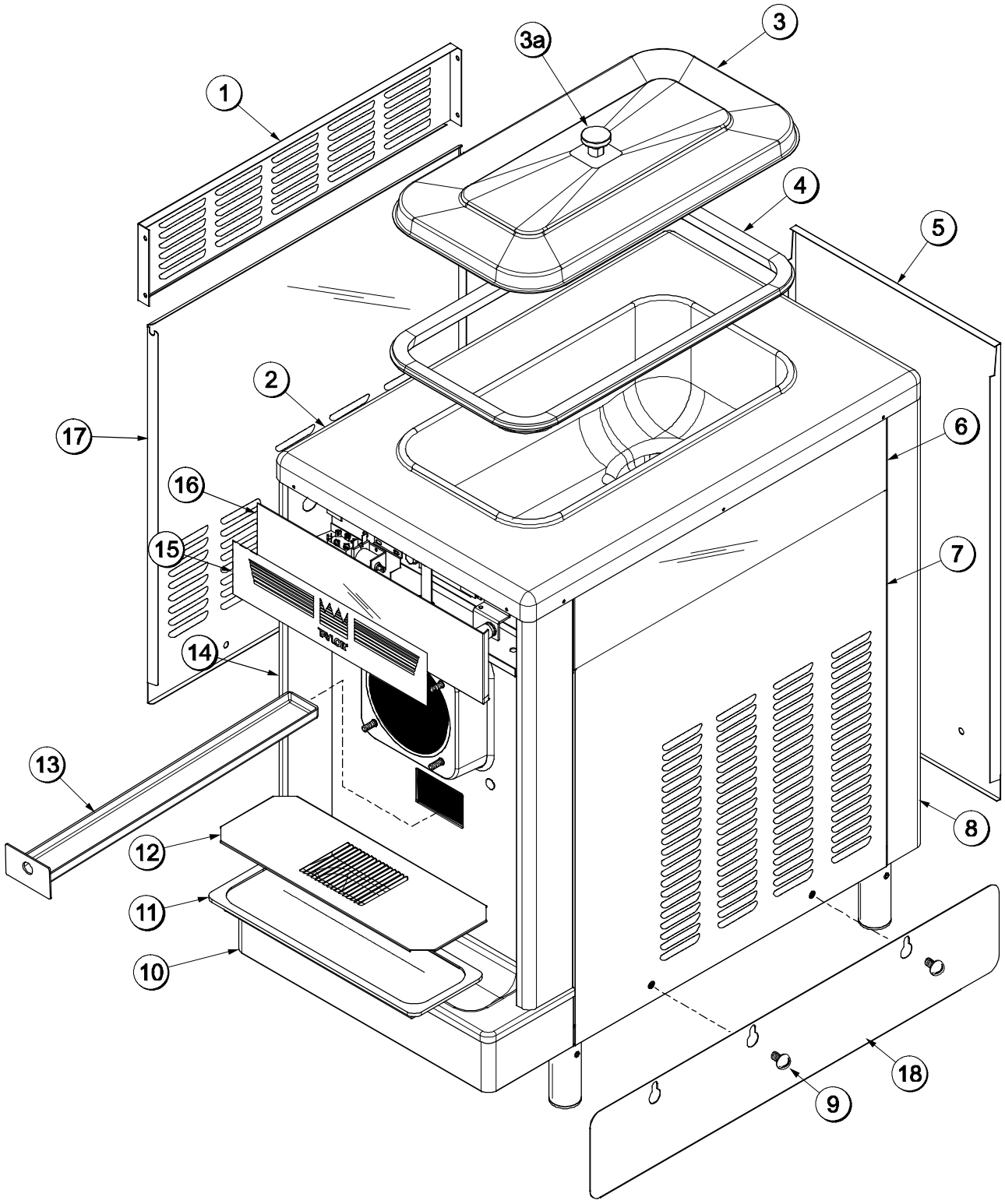


Model 340 Parts Identification

ITEM	DESCRIPTION	PART NO.
1	SHELL A.-INSULATED	X39936-SP1
1a	BEARING-REAR SHELL	032511
1b	WASHER-BEARING LOCK	012864
1c	NUT-BRASS BEARING	028991
1d	GUIDE-DRIP SEAL	028992
2	GEAR A.*REDUCER 4.92:1	015985
2a	COUPLING-DRIVE	018962
3	WASHER-3/8 USS FLAT CR3	000653
4	SCREW-5/16-18X1 HEX HEAD	016178
5	PULLEY-AK69 X 5/8	051012
6	BELT-V-4L460	013859
7	PULLEY-AK23-1/2	013997
8	MOTOR-1/4 HP	014477-
9	SCREW-5/16-18X5/8 SERR.	017326
10	GUIDE A.-DRIP PAN	X47190
11	SCREW-10X3/8 SLOTTED HEX	015582
12	CONDENSER-AC-15LX14H	046558
13	SCREW-1/4-20X5/8 SERR.	017522
14	NUT-1/4-20 WHIZ FLANGE	017523
15	SHROUD-FAN	052472
16	FAN-5 BLADE 12"PUSH 32°	047279
17	MOTOR-FAN 80 WATT 1550	051744-
18	BRACKET-FAN	038641
19	SCREW-10-32X3/8 SLTD RND	002742
20	LEG-4"·SS-W/ORING	013458
21	SCREW-10-32X3/8 UNSL HWH	039381
22	BOX A.-CAP&RELAY	X52419-
23	NUT-5/16-18 WHIZ FLANGE	017327
24	SLEEVE-MOUNTING-COMP.	039924
25	GROMMET-COMPRESSOR MT	037428

ITEM	DESCRIPTION	PART NO.
26	WASHER-5/16 USS FLAT CR3	000651
27	SCREW-5/16-18X1-3/4	019691
28	COMPRESSOR RS80C1E-CAV-224	051958-
29	SWITCH-PRESSURE 405 PSI	052663
30	VALVE-ACCESS-1/4 MFL X 3/8	053565
31	BRACKET-VALVE-ACCESS	055175
32	SCREW-8X1/4 SLTD HEX	009894
33	DRYER-FILTER-HP62-3/8 X 1/4	048901
34	VALVE-EXP-AUTO-1/4S X 1/4	046365
35	BOLT-CARRIAGE 1/4-20 X 3/4	012347
36	PANEL A.-FRONT	X46881
37	SWITCH A.-TOGGLE	X15204
38	SCREW-8X1-1/4 SLTD PAN A	028540
39	WASHER-#10 FLAT 18-8 SS	037841
40	TIMER-DELAY ON MAKE-10	029312-
41	LIGHT A.-ADD MIX-AMBER	X47218-
42	SWITCH A.-TORQUE	X29601
43	ARM A.-ANTICIPATOR	X29556
44	SCREW-8X3/8 SAW SLOT PAN	013234
45	BRACKET-SOLENOID	030245
46	SOLENOID-PULL	030202-
47	STUD-NOSE CONE-5/16-18X5/16	013496
48	BRACKET-CONTROL BOX	016197
49	COVER-RELAY BOX	015311
50	CONTROL A.	X52469-
51	PROBE A.-MIX *SQUARE*	X30922
52	DISC-PROBE *SQ HOLE*	030965
53	SPACER-PROBE *SQ HOLE*	030966

340 Panel Identification



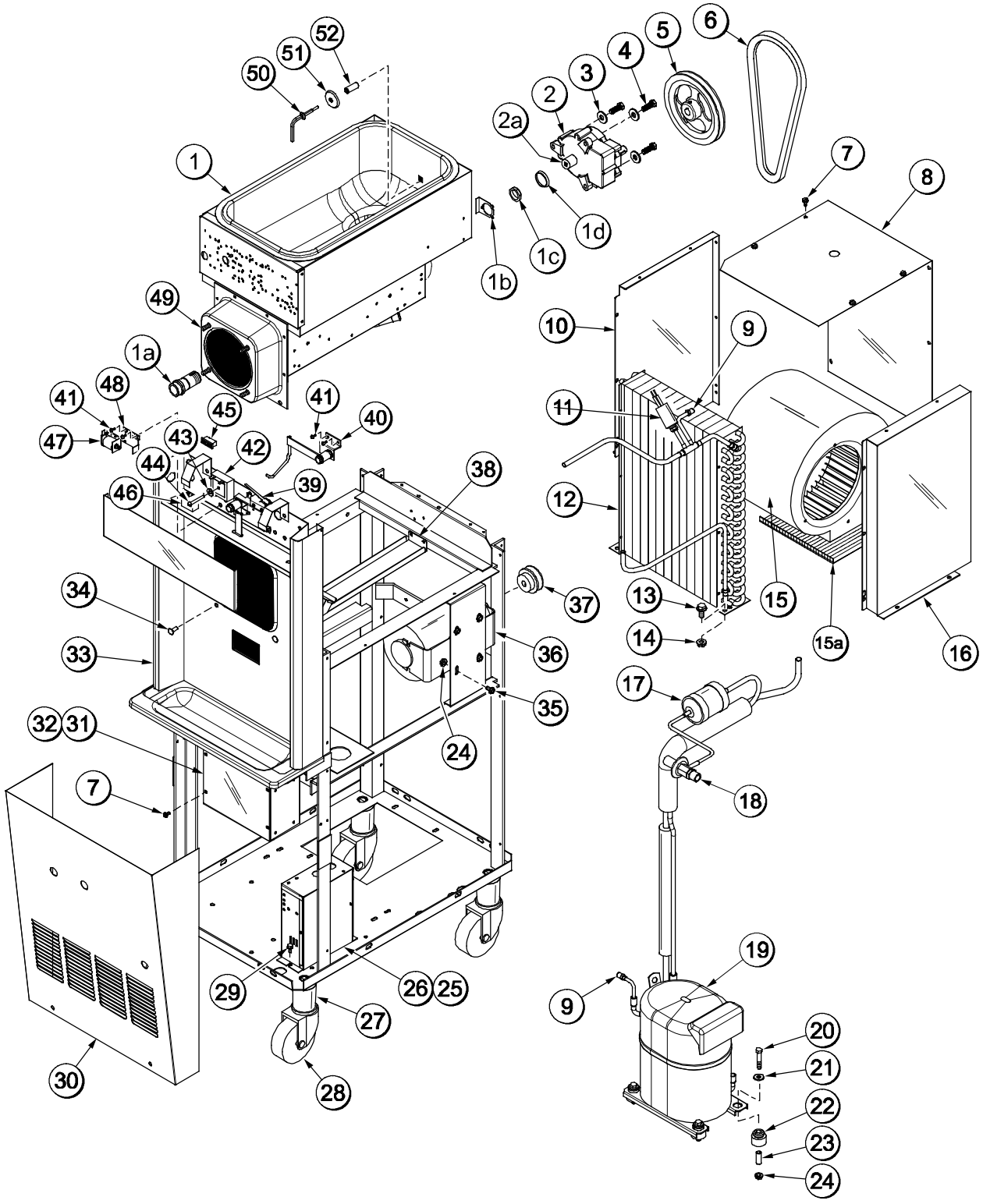
Model 340 Panel Identification

ITEM	DESCRIPTION	PART NO.
1	LOUVER-SIDE-TOP	051192
2	HOOD	021222
3	COVER A.-HOPPER-STD	X38458-SER
3a	KNOB-MIX COVER	025429
4	GASKET-HOPPER CVR-20 QT	038375
5	PANEL-REAR	047008
6	PANEL-SIDE-RIGHT/UPPER	042317
7	PANEL-SIDE-RIGHT/LOWER	047007
8	TRIM-CORNER-RIGHT	047003
9	SCREW-1/4-20 X 3/8 RHM SS	011694

ITEM	DESCRIPTION	PART NO.
10	TRIM-FRONT	050913
11	TRAY-DRIP 14-7/8L X 5-1/8	013690
12	SHIELD-SPLASH 15”L X 5-13/32	022763
13	PAN-DRIP 19-1/2 LONG	035034
14	PANEL A.-FRONT	X46881
15	DECAL-DEC	048359
16	PLATE-DEC	043456
17	PANEL-SIDE-LEFT	047006
18	SKIRT-AIR FLOW	049069
*	TRIM-CORNER-LEFT	047002

*NOT SHOWN

341 Exploded View

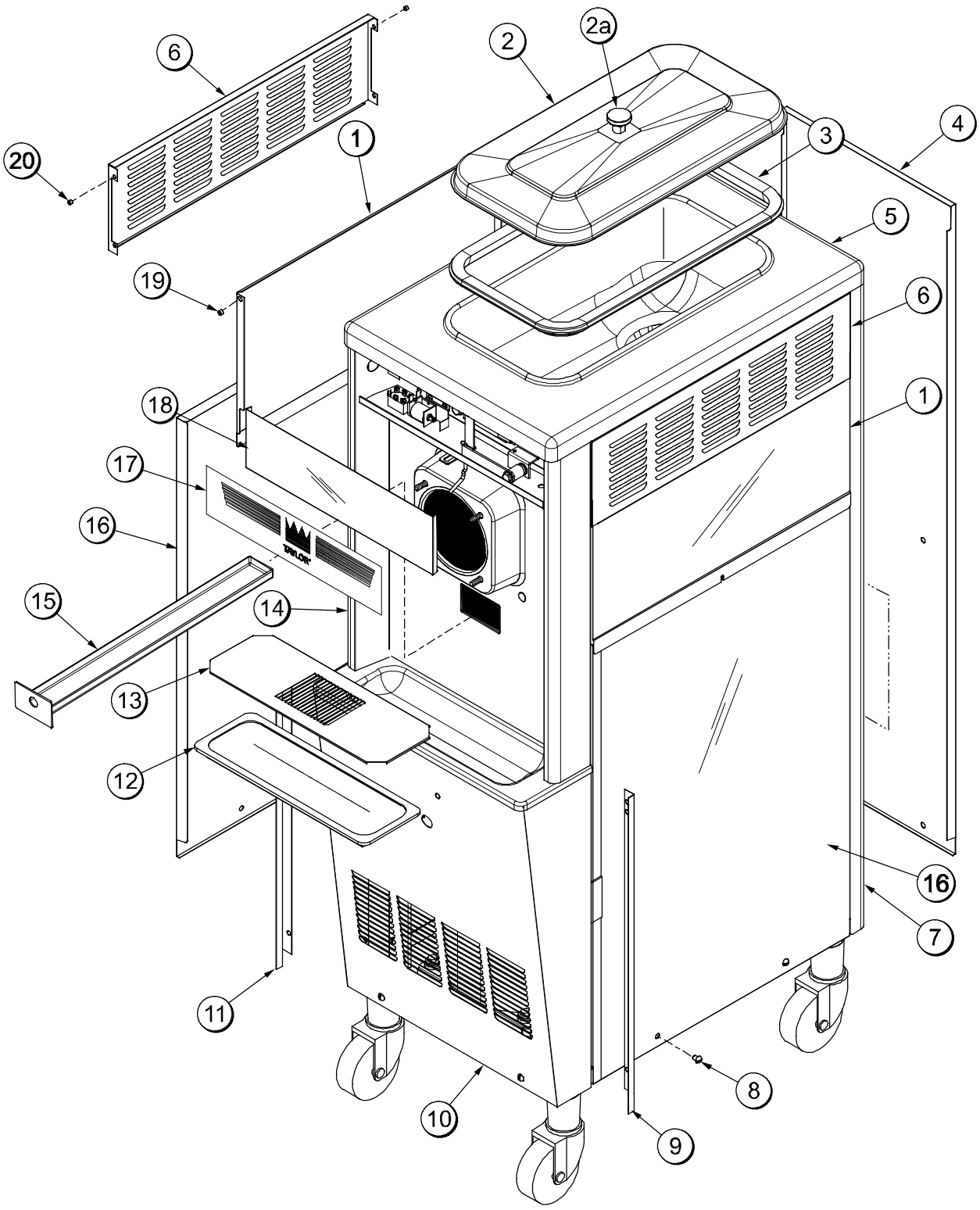


Model 341 Parts Identification

ITEM	DESCRIPTION	PART NO.
1	SHELL A.-INSULATED	X39936-SP1
1a	BEARING-REAR SHELL	032511
1b	WASHER-BEARING LOCK	012864
1c	NUT-BRASS BEARING	028991
1d	GUIDE-DRIP SEAL	028992
2	GEAR A.*REDUCER 4.92:1	015985
2a	COUPLING-DRIVE	018962
3	WASHER-3/8 USS FLAT CR3	000653
4	SCREW-5/16-18X1 HEX HEAD	016178
5	PULLEY-AK69 X 5/8	051012
6	BELT-V-4L400	007590
7	SCREW-10X3/8 SLOTTED HEX	015582
8	SHROUD-TOP PANEL	013820
9	VALVE-ACCESS 1/4FL X 3/8	043232
10	SHROUD-LEFT	013821
11	SWITCH-PRESSURE 405 PSI	052663
12	CONDENSER-AC-12LX18HX2.6T-3R	048233
13	SCREW-1/4-20X5/8 SERR.	017522
14	NUT-1/4-20 WHIZ FLANGE	017523
15	BLOWER A.	X30153-
15a	SCREEN-BLOWER	030158
16	SHROUD-RIGHT	013822
17	DRYER-FILTER-HP62-3/8 X 1/4S	048901
18	VALVE-EXP-AUTO-1/4S X 1/4	046365
19	COMPRESSOR RS80C1E-CAV-224	051958-
20	SCREW-5/16-18X1-3/4	019691
21	WASHER-5/16 USS FLAT CR3	000651
22	GROMMET-COMPRESSOR MT	037428
23	SLEEVE-MOUNTING-COMP.	039924

ITEM	DESCRIPTION	PART NO.
24	NUT-5/16-18 WHIZ FLANGE	017327
25	BOX A.-CAP&RELAY	X52636-
26	COVER-CAP & RELAY BOX	030315
27	ADAPTOR A.-CASTER	X18915
28	CASTER-SWV 5/8 STEM 4IN WHEEL	018794
29	SCREW-10-32X3/8 UNSL	039381
30	PANEL-SERVICE	013638-SP1
31	COVER-RELAY BOX	015311
32	CONTROL A.R*	X49284-
33	PANEL A.-FRONT	X46881
34	BOLT-CARRIAGE 1/4-20 X 3/4	012347
35	SCREW-5/16-18X5/8 SERR.	017326
36	MOTOR-1/4 HP	014477-
37	PULLEY-AK23-1/2	013997
38	GUIDE A.-DRIP PAN	X47190
39	SWITCH A.-TORQUE	X29601
40	ARM A.-ANTICIPATOR	X29556
41	SCREW-8X3/8 SAW SLOT PAN	013234
42	TIMER-DELAY ON MAKE-10	029312-
43	WASHER-#10 FLAT 18-8 SS	037841
44	SCREW-8X1-1/4 SLTD PAN A	028540
45	LIGHT A.-ADD MIX-AMBER	X47218-
46	SWITCH A.-TOGGLE	X15204
47	SOLENOID-PULL	030202-
48	BRACKET-SOLENOID	030245
49	STUD-NOSE CONE-5/16-18	013496
50	PROBE A.-MIX *SQUARE*	X30922
51	DISC-PROBE *SQ HOLE*	030965
52	SPACER-PROBE *SQ HOLE*	030966

341 Panel Identification

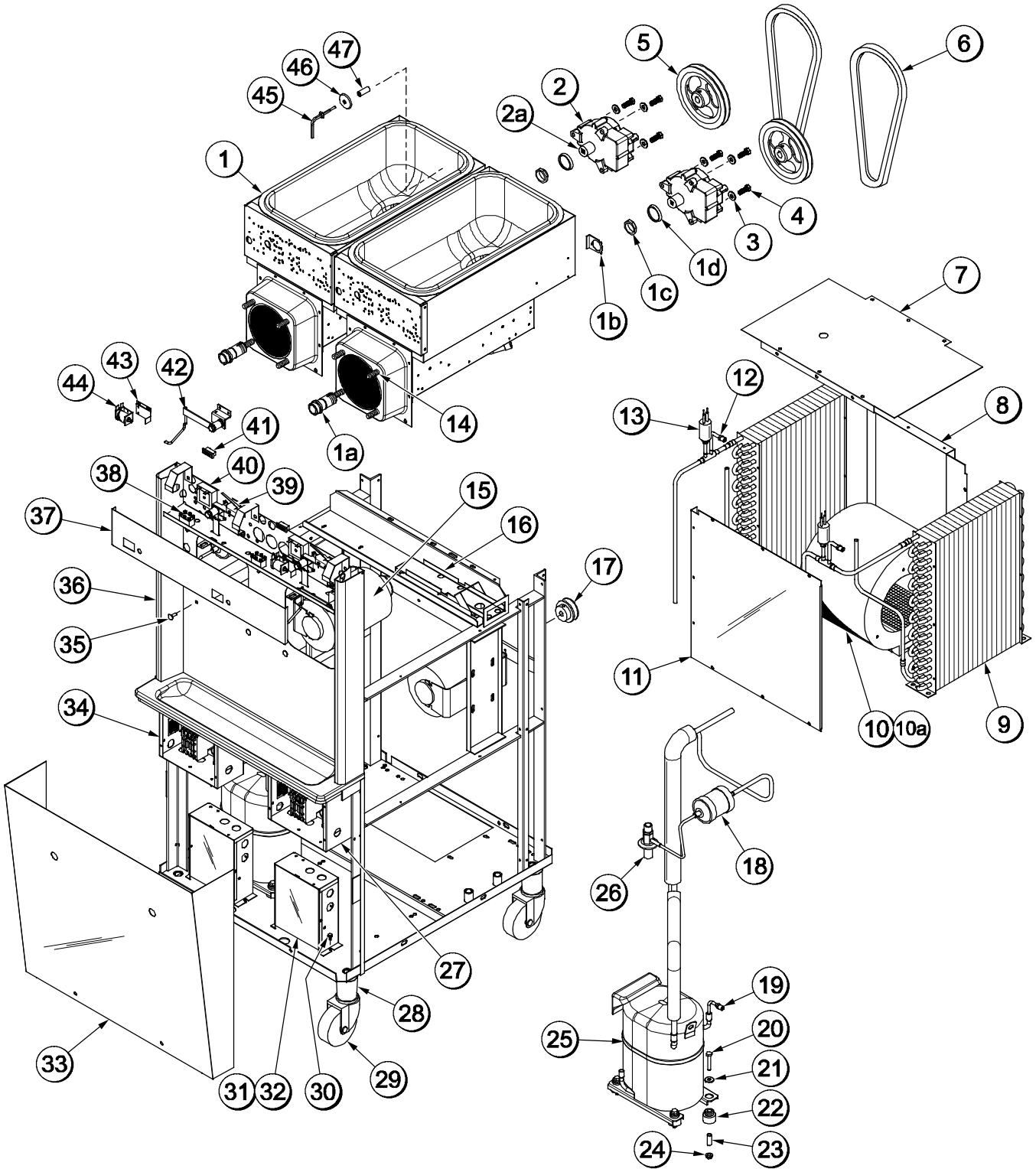


Model 341 Panel Identification

ITEM	DESCRIPTION	PART NO.
1	PANEL-UPPER SIDE-R & L	024576
2	COVER A.-HOPPER-STD	X38458-SER
2a	KNOB-MIX COVER	025429
3	GASKET-HOPPER CVR-20 QT	038375
4	PANEL-REAR	013637
5	HOOD	023285
6	LOUVER-SIDE-TOP	051192
7	TRIM-REAR CORNER-R & L	013620
8	SCREW-1/4-20X3/8·RHM-SS	011694
9	ANGLE-PANEL-RIGHT	013828
10	PANEL-SERVICE	013638-SP1

ITEM	DESCRIPTION	PART NO.
11	ANGLE-PANEL-LEFT	013829
12	TRAY-DRIP 14-7/8L X 5-1/8 SG	013690
13	SHIELD-SPLASH 15” L X 5-13/32	022763
14	PANEL A.-FRONT	X46881
15	PAN-DRIP 19-1/2 LONG	035034
16	PANEL A.-LOWER SIDE-R & L	X24397-SER
17	DECAL-DEC-TAYLOR	048359
18	PLATE-DEC	043456
19	BUSHING-PANEL	013289
20	BUSHING-PANEL	013289

342 Exploded View

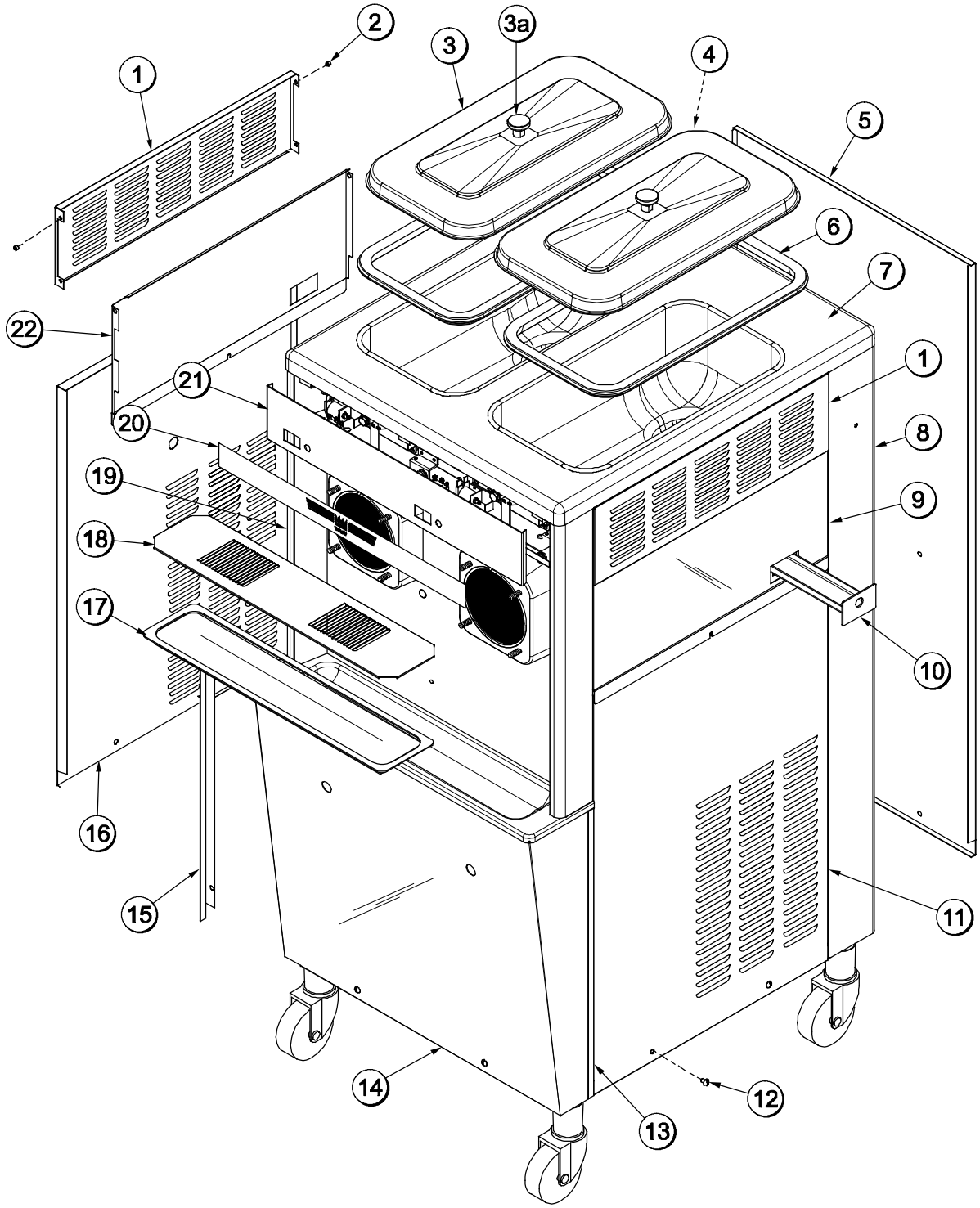


Model 342 Parts Identification

ITEM	DESCRIPTION	PART NO.
1	SHELL A.-INSULATED	X39936-SP1
1a	BEARING-REAR SHELL	032511
1b	WASHER-BEARING LOCK	012864
1c	NUT-BRASS BEARING	028991
1d	GUIDE-DRIP SEAL	028992
2	GEAR A.*REDUCER 4.92:1	015985-SER
2a	COUPLING-DRIVE	018962
3	WASHER-3/8 USS FLAT CR3	000653
4	SCREW-5/16-18X1 HEX HEAD	016178
5	PULLEY-AK69 X 5/8	051012
6	BELT-V-4L430	009613
7	SHROUD-COND	046576
8	SHROUD-COND	046575
9	CONDENSER-AC-12LX18H	048233
10	BLOWER A. (SEE PG. 45)	X47833-
10a	SCREEN-BLOWER	030158
11	SHROUD-COND	046574
12	VALVE-ACCESS 1/4FL X 3/8	043232
13	SWITCH-PRESSURE 405 PSI	052663
14	STUD-NOSE CONE-5/16-18	013496
15	MOTOR-1/4 HP	014477-
16	GUIDE A.-DRIP PAN	X28698
17	PULLEY-AK23-1/2	013997
18	DRYER-FILTER-HP62-3/8X1/4	048901
19	VALVE-ACCESS-1/4 MFLX1/4	047016
20	SCREW-5/16-18X1-3/4	019691
21	WASHER-5/16 USS FLAT CR3	000651
22	GROMMET-COMPRESSOR MT	037428

ITEM	DESCRIPTION	PART NO.
23	SLEEVE-MOUNTING-COMP.	039924
24	NUT-5/16-18 WHIZ FLANGE	017327
26	VALVE-EXP-AUTO-1/4SX1/4	046365
25	COMPRESSOR RS80C1E-CAV-224	051958-
27	CONTROL A. RIGHT (SEE PG. 38)	X49284-
28	ADAPTOR A.-CASTER	X18915
29	CASTER-SWV 5/8 STEM 4IN	018794
30	SCREW-10-32X3/8 UNSL HWH	039381
31	BOX A.-CAP&RELAY	(SEE PG 43)
32	COVER-RELAY BOX	015311
33	PANEL-SERVICE	024439-SP1
34	CONTROL A. LEFT (SEE PG. 39)	X4928427SP
35	BOLT-CARRIAGE 1/4-20 X 3/4	012347
36	PANEL A.-FRONT	X25807
37	PLATE-DEC	022602-BLK
38	SWITCH-TOGGLE	014464
39	SWITCH A.-TORQUE (SEE PG. 47)	X29601-SER
40	TIMER-DELAY ON MAKE-10	029312-
41	LIGHT-ADD MIX-AMBER	047141-
42	ARM A.-ANTICIPATOR MECH.	X29556-SER
43	BRACKET-SOLENOID MTG	030245
44	SOLENOID-PULL	030202-
45	PROBE A.-MIX *SQUARE*	X30922
46	DISC-PROBE *SQ HOLE*	030965
47	SPACER-PROBE *SQ HOLE*	030966

342 Panel Identification

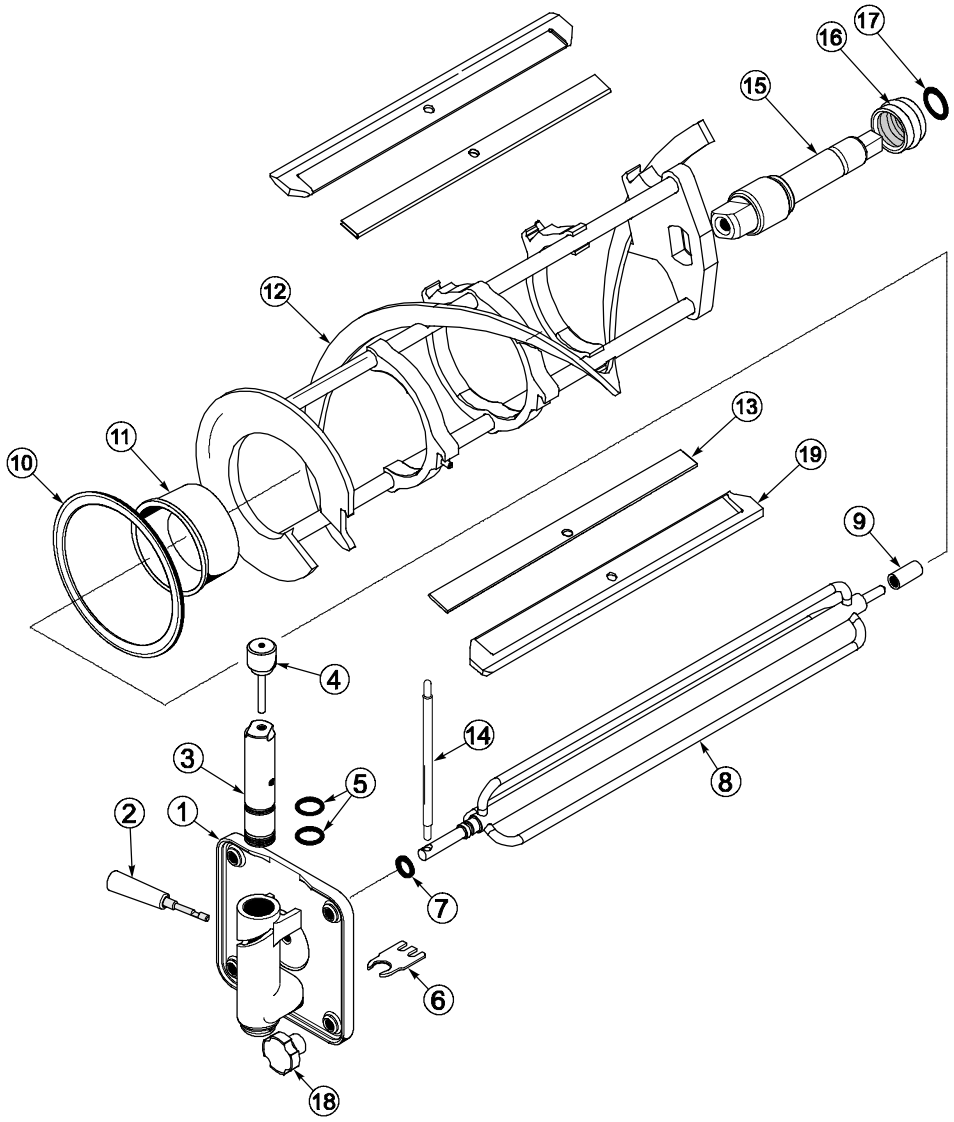


Model 342 Panel Identification

ITEM	DESCRIPTION	PART NO.
1	LOUVER-SIDE-TOP	051191
2	BUSHING-PANEL	013289
3	COVER A.-HOPPER	X38458-SER
3a	KNOB-MIX COVER	025429
4	TRIM-REAR CORNER-LEFT	013761
5	PANEL-REAR	017563
6	GASKET-HOPPER CVR-20 QT	038375
7	HOOD	023263
8	TRIM-REAR CORNER-RIGHT	013663
9	PANEL-UPPER SIDE-RIGHT	028701
10	PAN-DRIP 11-5/8 LONG	027503
11	PANEL A.-SIDE-LOWER RIGHT	X44855-SER

ITEM	DESCRIPTION	PART NO.
12	SCREW-1/4-20X3/8 RHM-SS	011694
13	ANGLE-PANEL-RIGHT	013828
14	PANEL-SERVICE	024439-SP1
15	ANGLE-PANEL-LEFT	013829
16	PANEL A.-SIDE-LOWER LEFT	X44853-SER
17	TRAY-DRIP 22-7/8L X 5-1/8W	014533
18	SHIELD-SPLASH	037041
19	PANEL A.-FRONT	X25807
20	DECAL-DEC	021872
21	PLATE-DEC-TWIN	022602-BLK
22	PANEL-UPPER SIDE-LEFT	028700

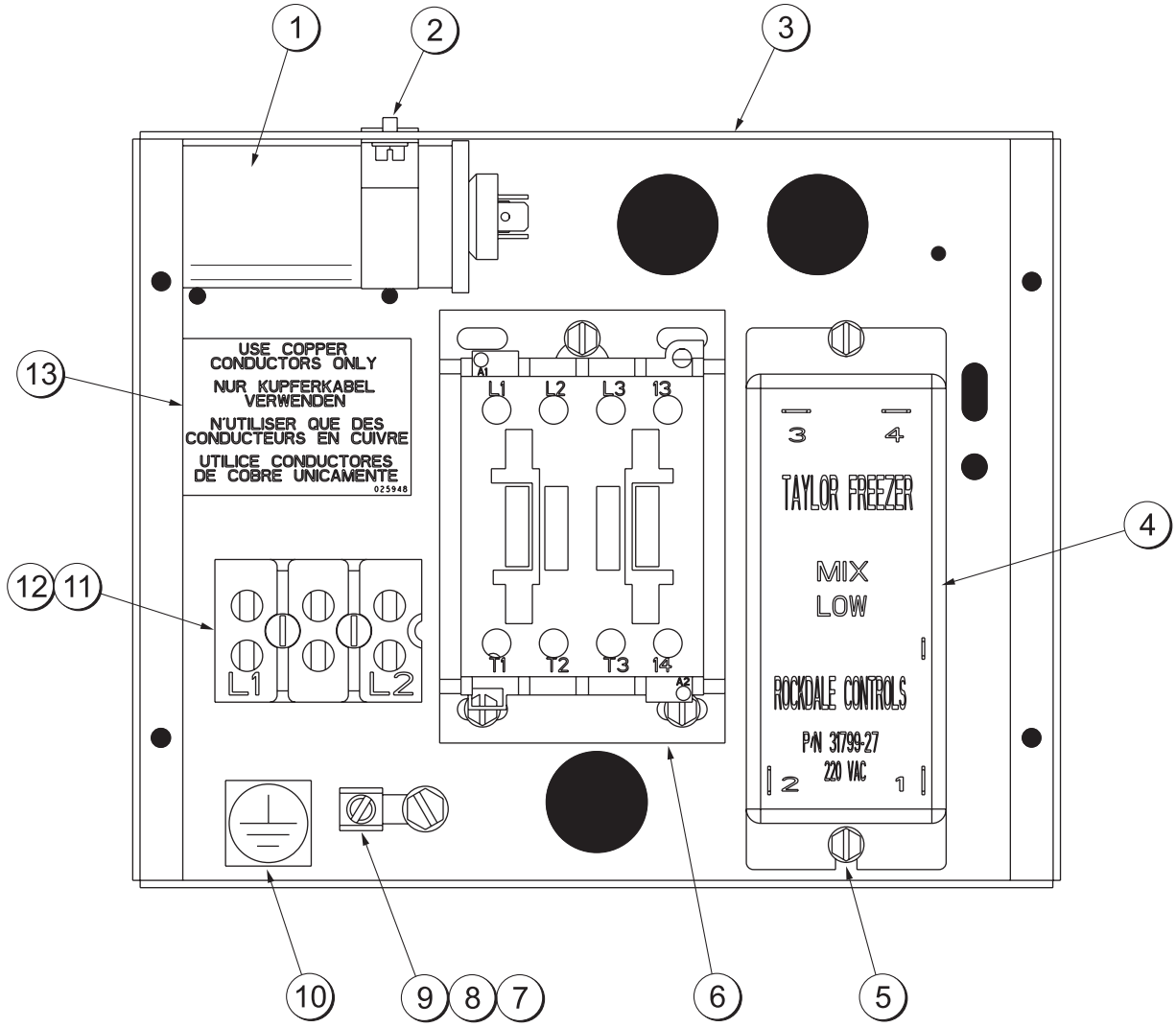
Beater Door Assembly



ITEM	DESCRIPTION	PART NO.
1	DOOR A.-PARTIAL	X39248-SER
2	HANDLE A.-DRAW-SLUSH BLK	X47384
3	VALVE-DRAW	047734
4	PIN A.-VALVE HANDLE	X25929
5	O-RING-1 OD x .139 W	032504
6	BUSTER-ICE	047735
7	O-RING-.291 ID x .080 W	018550
8	TORQUE ASSEMBLY	X14488
9	BEARING-GUIDE	014496
10	GASKET-DOOR-5.109 D x 5.63	014030

ITEM	DESCRIPTION	PART NO.
11	BEARING-FRONT	013116
12	BEATER A.-7 QT-1 PIN	X46233
13	CLIP-SCRAPER BLADE*8.75	046238
14	TORQUE ARM	014500
15	SHAFT-BEATER	035418
16	SEAL-DRIVE SHAFT	032560
17	O-RING-7/8 OD x .139 W	025307
18	NUT-STUD 5/16-18 X 9/16 D	043666
19	BLADE-SCRAPER-PLASTIC	046237

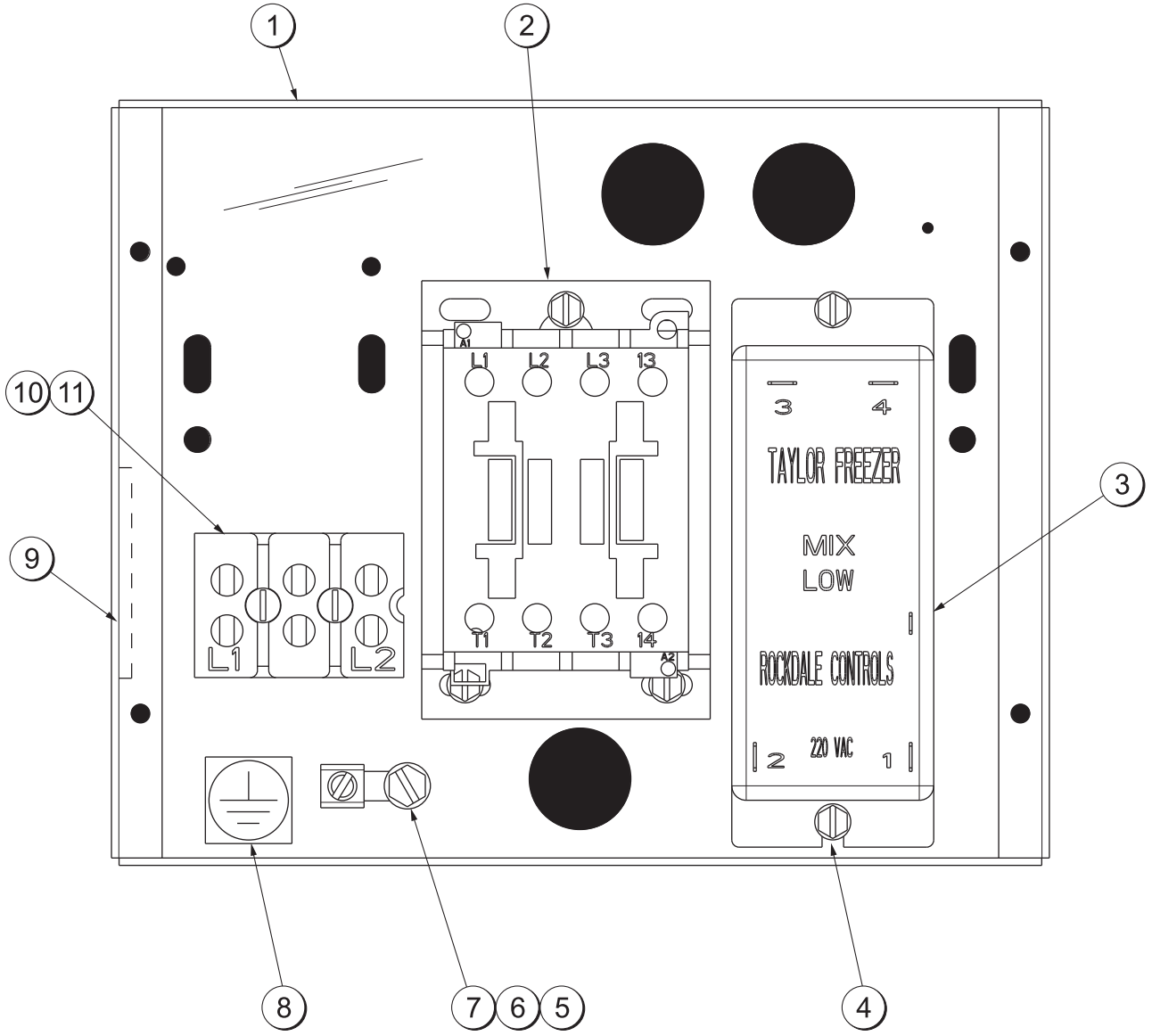
Control A. X52469-27 - Model 340 (208-230/60/1 Bristol)
Control A. X52469-12 - Model 340 (115/60/1 Tecumseh)



ITEM	DESCRIPTION	PART NO.
1	CAPACITOR-RUN- 4UF-440V (230 VOLT) FAN	051785
	CAPACITOR-RUN- 7.5UF-370V (115 VOLT) FAN	034749
2	STRAP-CAPACITOR	041350
3	BOX-CONTROL	049041
4	CONTROL-MIX LEVEL	031799-
5	SCREW-8X1/4 SL HEX HD B	009894
6	RELAY-3 POLE-20A-208/240	012725-
7	LUG-GROUND. 260 W/ SCREW	020928

ITEM	DESCRIPTION	PART NO.
8	SCREW-10-32X1/2 MF HEX	020982
9	NUT-10-32 MF LOCK	020983
10	LABEL-GROUNDING SYMBOL	017669
11	SCREW-8 X 1-1/4 RD HD TYP B	039420
12	BLOCK-TERMINAL 2P-L1,L2 (230 VOLT)	039422
	BLOCK-TERMINAL 2P-L1 (115 VOLT)	039421
13	LABEL-COPPER COND ONLY	025948

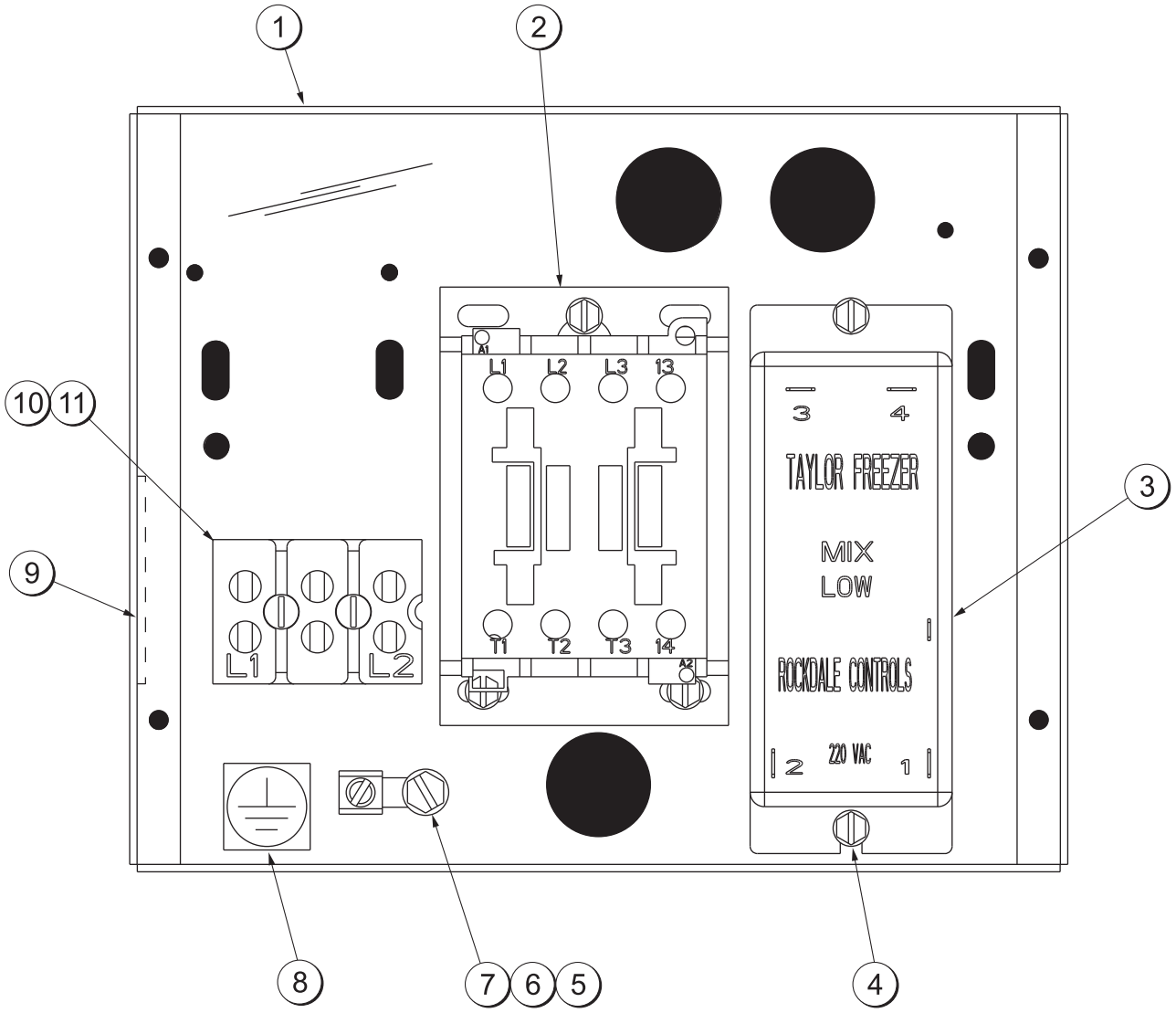
Control A. X49284 – Models 341 & 342



ITEM	DESCRIPTION	PART NO.
1	BOX-CONTROL	049041
2	RELAY-3 POLE-20A-208/240	012725-
3	CONTROL-MIX LEVEL	031799-
4	SCREW-8X1/4 SL HEX HD TYP B	009894
5	LUG-GROUNDING 260	020928
6	SCREW-10-32X1/2 MF HEX CAP	020982

ITEM	DESCRIPTION	PART NO.
7	NUT-10-32 MF LOCK	020983
8	LABEL-GROUNDING SYMBOL	017669
9	LABEL-COPPER COND ONLY	025948
10	SCREW-8 X 1-1/4 RD HD TYP B	039420
11	BLOCK-TERMINAL 2P-L1,L2 (230 VOLT)	039422

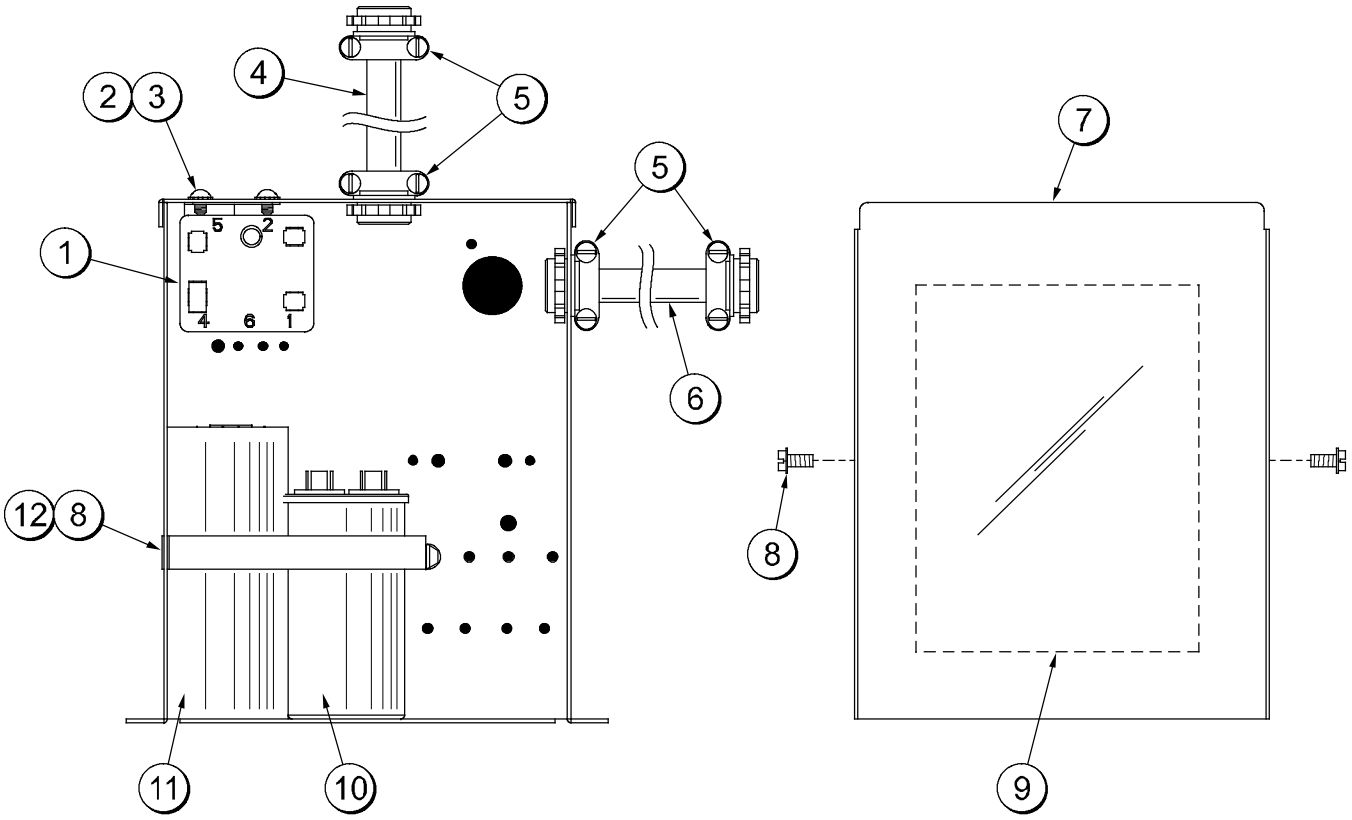
Control A. X49284SP – Model 342 (Left Side)



ITEM	DESCRIPTION	PART NO.
1	BOX-CONTROL	049041
2	RELAY-3 POLE-20A-208/240	012725-
3	CONTROL-MIX LEVEL	031799-
4	SCREW-8X1/4 SL HEX HD TYP B	009894
5	LUG-GROUNDING 260	020928
6	SCREW-10-32X1/2 MF HEX CAP	020982

ITEM	DESCRIPTION	PART NO.
7	NUT-10-32 MF LOCK	020983
8	LABEL-GROUNDING SYMBOL	017669
9	LABEL-COPPER COND ONLY	025948
10	SCREW-8 X 1-1/4 RD HD TYP B	039420
11	BLOCK-TERMINAL 2P-L1,L2 (230 VOLT)	039422

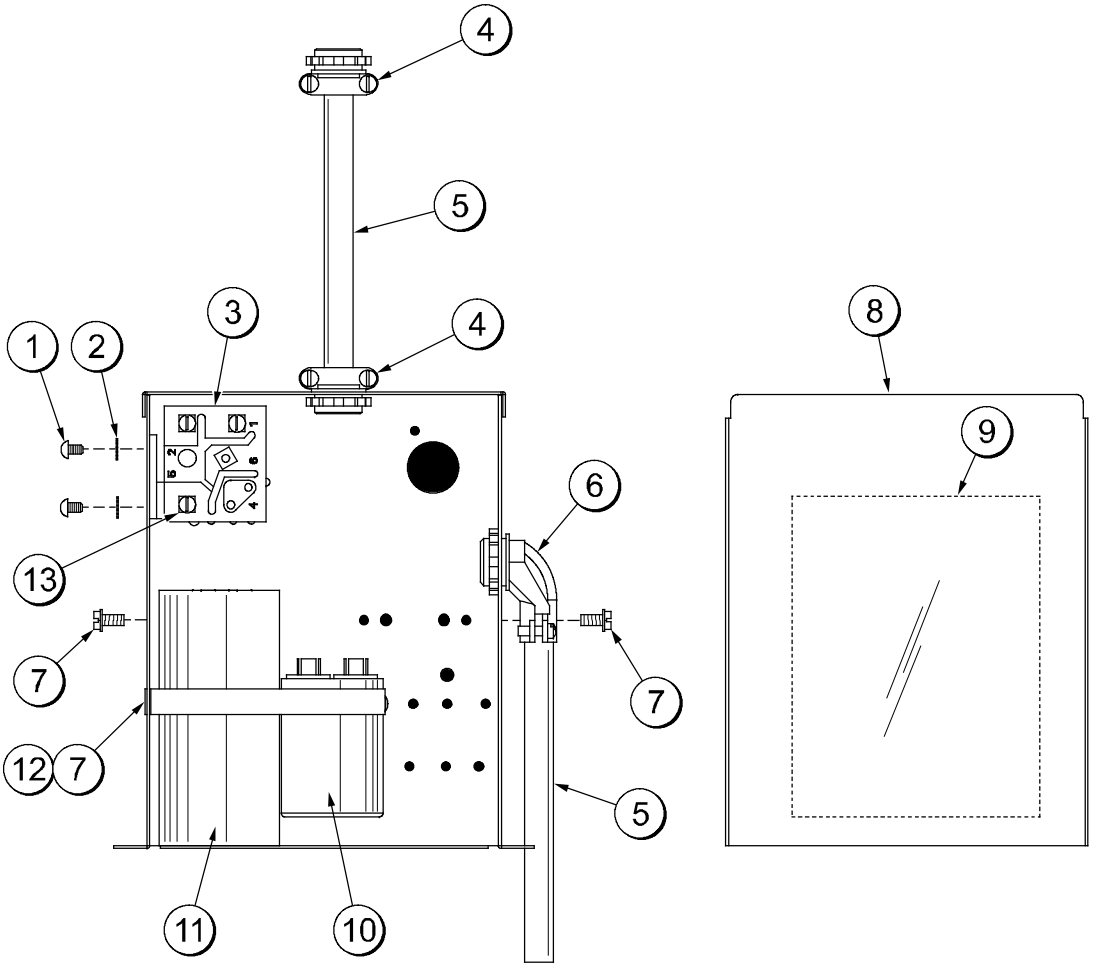
Box A.-Cap & Relay X48892-27E - Model 340 (208-230/60/1 Bristol)



ITEM	DESCRIPTION	PART NO.
1	RELAY-START-COMPRESSOR	047067
2	SCREW-8-32X1/4 SLTD	000953
3	WASHER-#8 EXTERNAL TOOTH	000964
4	SLEEVE-WIRE 7/16 ID	020919-20
5	CONNECTOR-BX 3/8 STR-2	014569
6	SLEEVE-WIRE 7/16 ID	020919-15

ITEM	DESCRIPTION	PART NO.
7	COVER-CAP.RELAY BOX	030315
8	SCREW-10X3/8 SLOTTED HEX	015582
9	LABEL-WIRING SINGLE PHASE	036880-2
10	CAPACITOR-RUN 30UF/370V	038487
11	CAPACITOR-START 161-193UF/25	031790
12	STRAP-CAPACITOR 5-5/8 IN.	030258

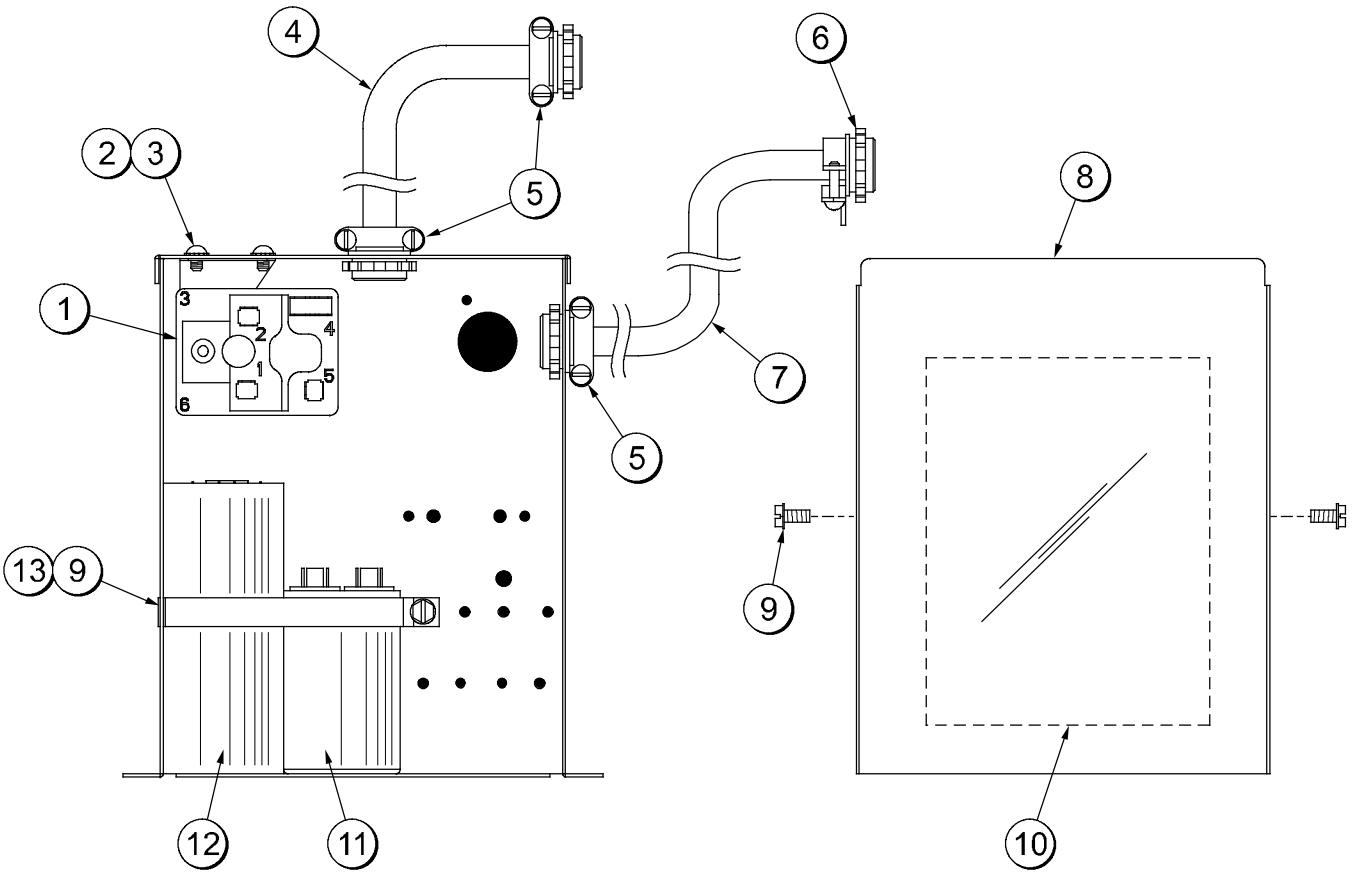
Box A.-Cap & Relay X50292-12 - Model 340 (115/60/1 Tecumseh)



ITEM	DESCRIPTION	PART NO.
1	SCREW-8-32X1/4 SLTD ROUND	000953
2	WASHER-#8 EXTERNAL TOOTH	000964
3	RELAY-START-COMPRESSOR	047609
4	CONNECTOR-BX 3/8 STR-2	014569
5	SLEEVE-WIRE 7/16 ID	020919-20
6	CONNECTOR-BX 3/8 90 DEG	001793

ITEM	DESCRIPTION	PART NO.
7	SCREW-10X3/8 SLOTTED HEX	015582
8	COVER-CAP.RELAY BOX	030315
9	LABEL-WIRING SINGLE PHASE	036880-1
10	CAPACITOR-RUN 15UF/370V	027087
11	CAPACITOR-START 340-408UF	047608
12	STRAP-CAPACITOR 7-11/32	037890
13	SCREW-8-32X5/16 SLTD	008399

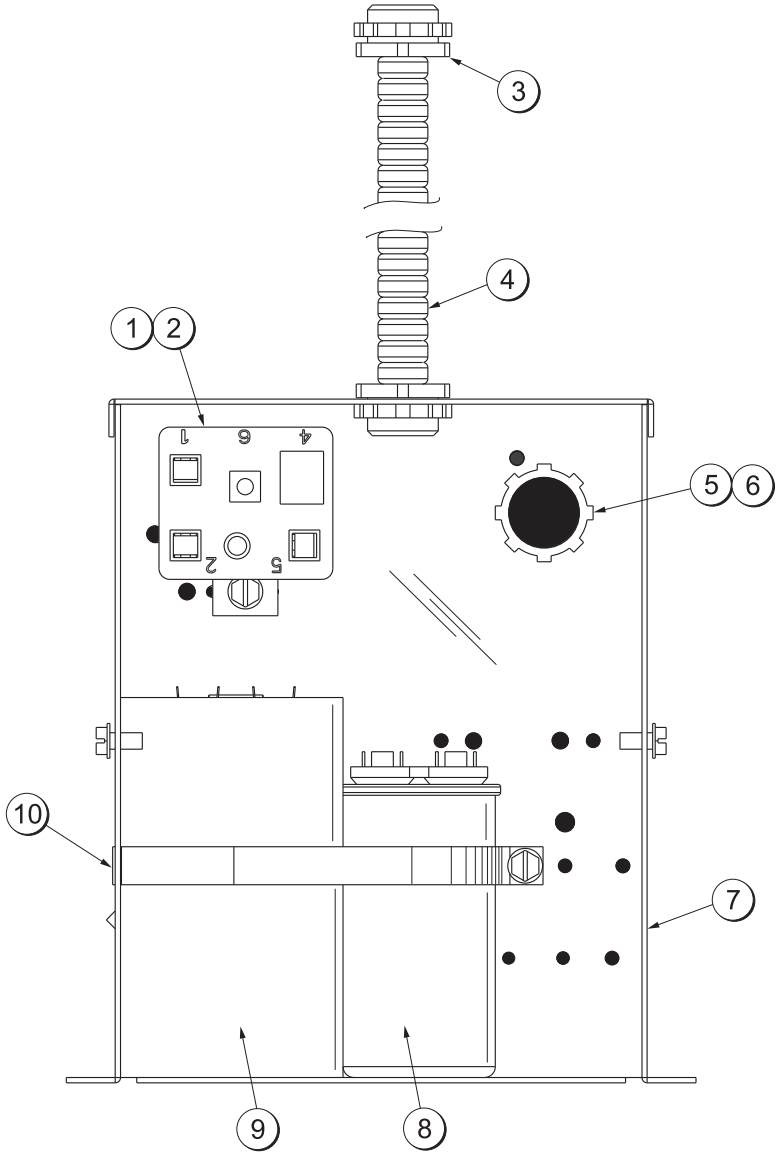
Box A.-Cap & Relay X49151-27E - Model 341 (208-230/60/1)



ITEM	DESCRIPTION	PART NO.
1	RELAY-START-COMPRESSOR	047067
2	SCREW-8-32X1/4 SLTD ROUND	000953
3	WASHER-#8 EXTERNAL TOOTH LOCK	000964
4	SLEEVE-WIRE .330 ID	020918-12
5	CONNECTOR-BX 3/8 STR-2	014569
6	CONNECTOR-BX 3/8 90 DEG	001793

ITEM	DESCRIPTION	PART NO.
7	SLEEVE-WIRE 7/16 ID	020919-24
8	COVER-CAP.RELAY BOX	030315
9	SCREW-10X3/8 SLOTTED HEX	015582
10	LABEL-WIRING SINGLE PHASE	036880-2
11	CAPACITOR-RUN 30UF/370V	038487
12	CAPACITOR-START 161-193UF	031790
13	STRAP-CAPACITOR 7-11/32	037890

Box A.-Cap & Relay X52588-27 - Model 342 (208-230/60/1)

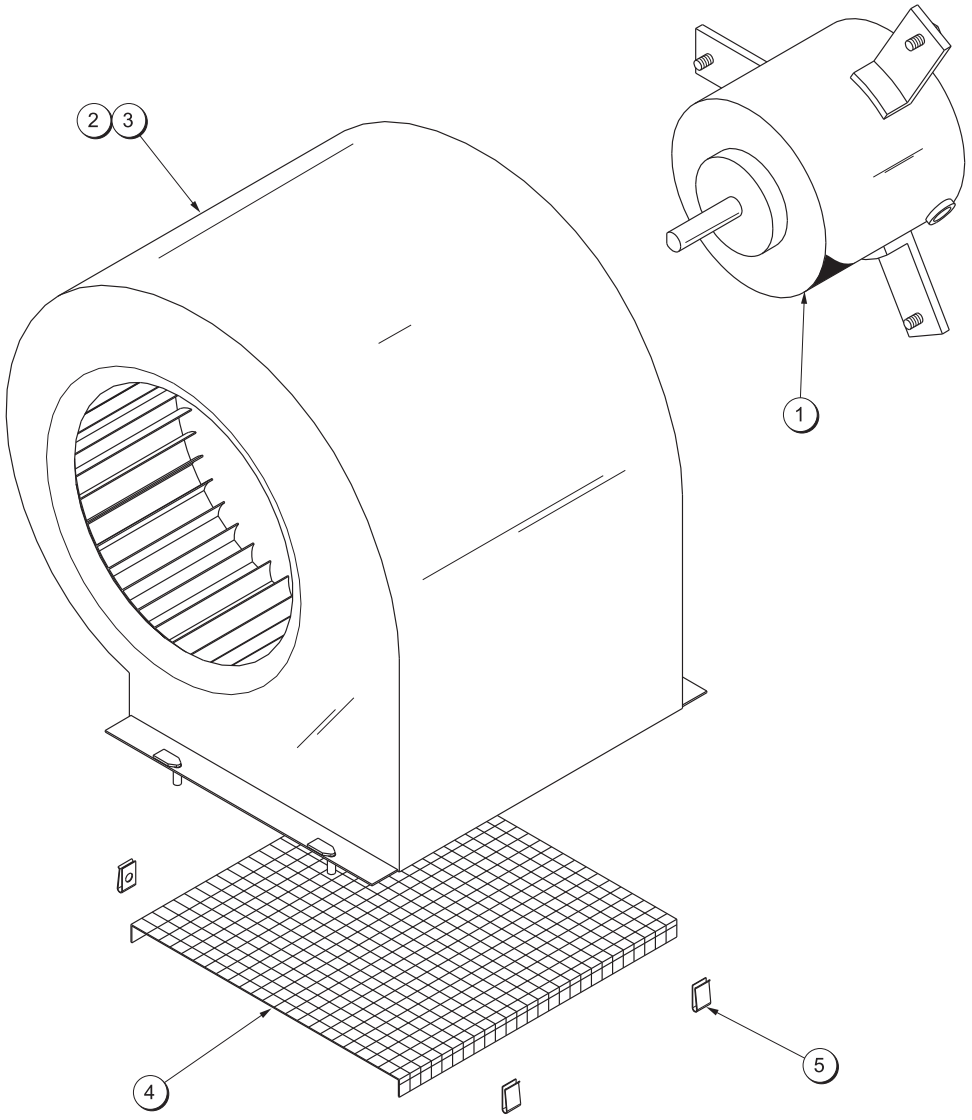


ITEM	DESCRIPTION	PART NO.
1	RELAY-START-COMPRESSOR	051957-27
2	SCREW-10 X 3/8 TYPE B-HEX	015582
3	CONNECTOR-BX 3/8 STR	001791
4	GREENFIELD-3/8	020495-12
5	CONNECTOR-BX 3/8 90D	001793
6	SLEEVE-WIRE 7/16 ID	020919-20

ITEM	DESCRIPTION	PART NO.
7	BOX-CAPACITOR RELAY	030183
8	CAPACITOR-RUN- 20UF/440V	012906
9	CAPACITOR-START-189-227UF	033044-1
10	STRAP-CAPACITOR 7-11/32	037890
*	COVER-CAP.RELAY BOX	030315
*	LABEL-WIRING SINGLE PHASE	036880-2E

*NOT SHOWN

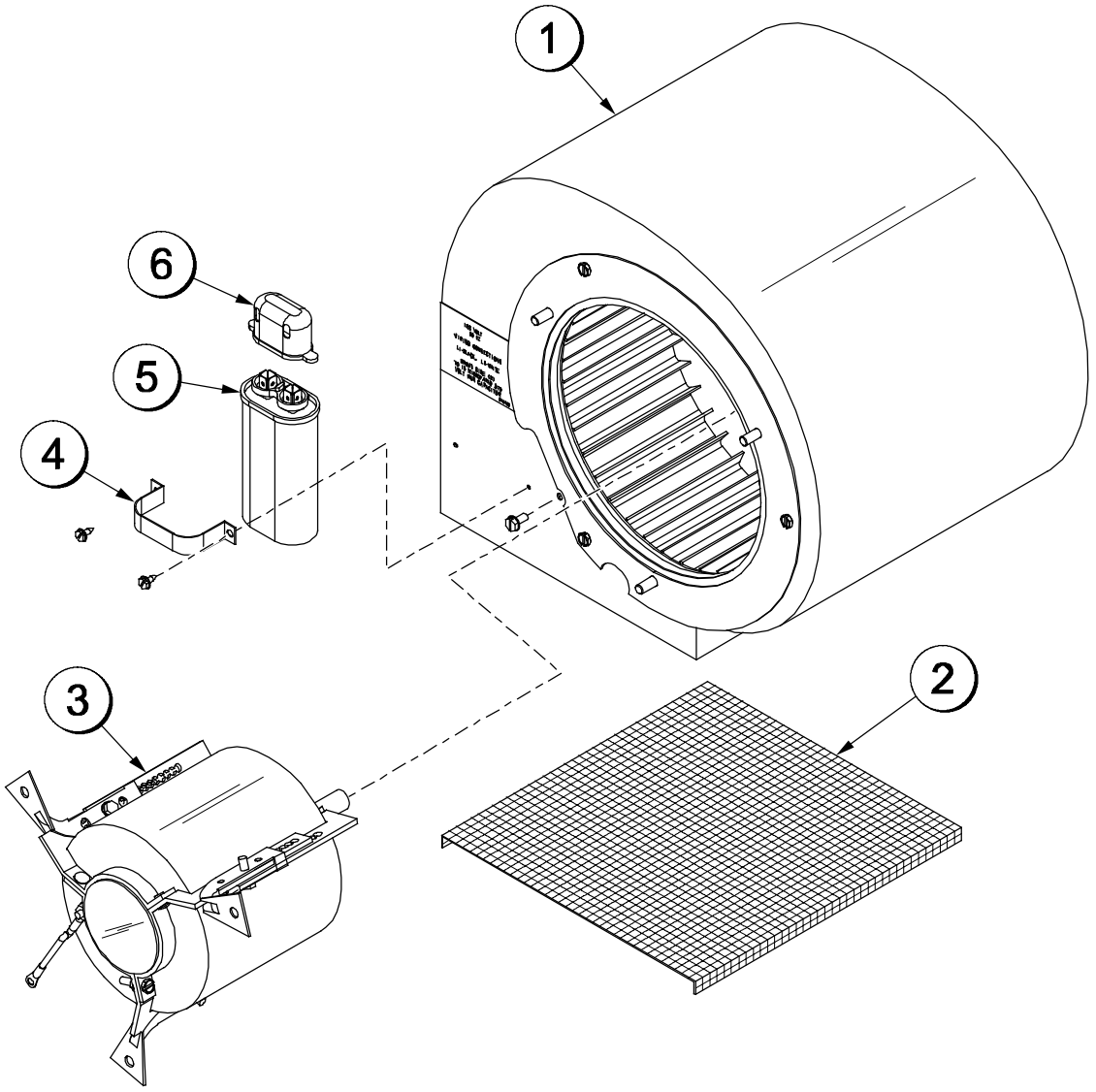
Blower Assembly X53725-27 - Model 341



ITEM	DESCRIPTION	PART NO.
1	MOTOR-BLOWER·FAN	053481
2	WHEEL-BLOWER	053726
3	HOUSING-BLOWER-6 POLE	053728

ITEM	DESCRIPTION	PART NO.
4	SCREEN-BLOWER	053729
5	CLIP-SCREEN-BLOWER	053730

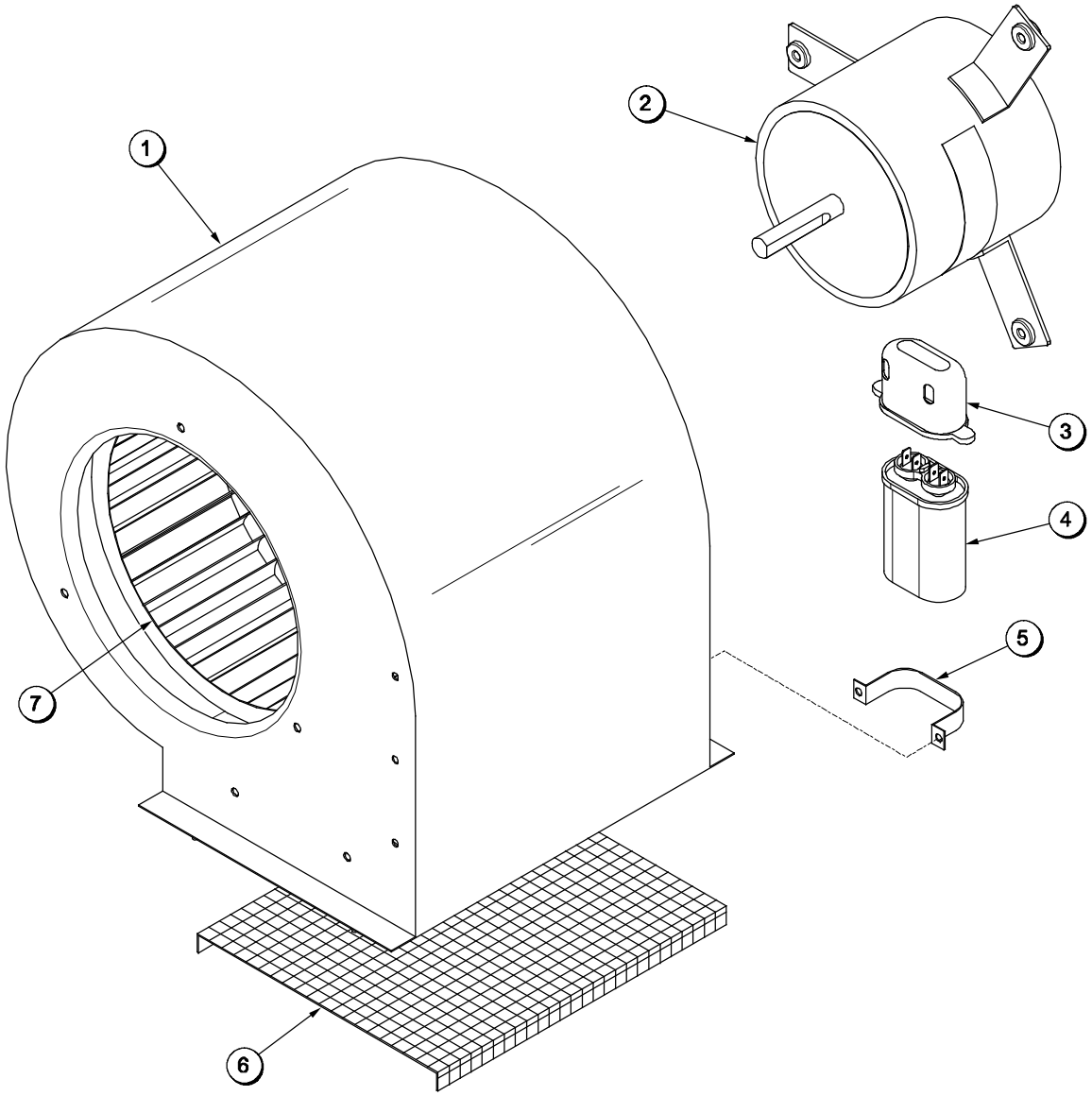
Blower Assembly X47833-12 - Model 342 (115/60/1)



ITEM	DESCRIPTION	PART NO.
1	HOUSING-BLOWER W/FAN	058739
2	SCREEN-BLOWER	030158
3	MOTOR-BLOWER-208/230V (230 VOLT)	046536-27
4	BRACKET-CAPACITOR	031205

ITEM	DESCRIPTION	PART NO.
5	CAPACITOR-RUN-15UF/370V (115 VOLT)	049356
6	BOOT-CAPACITOR INSULATING	031314

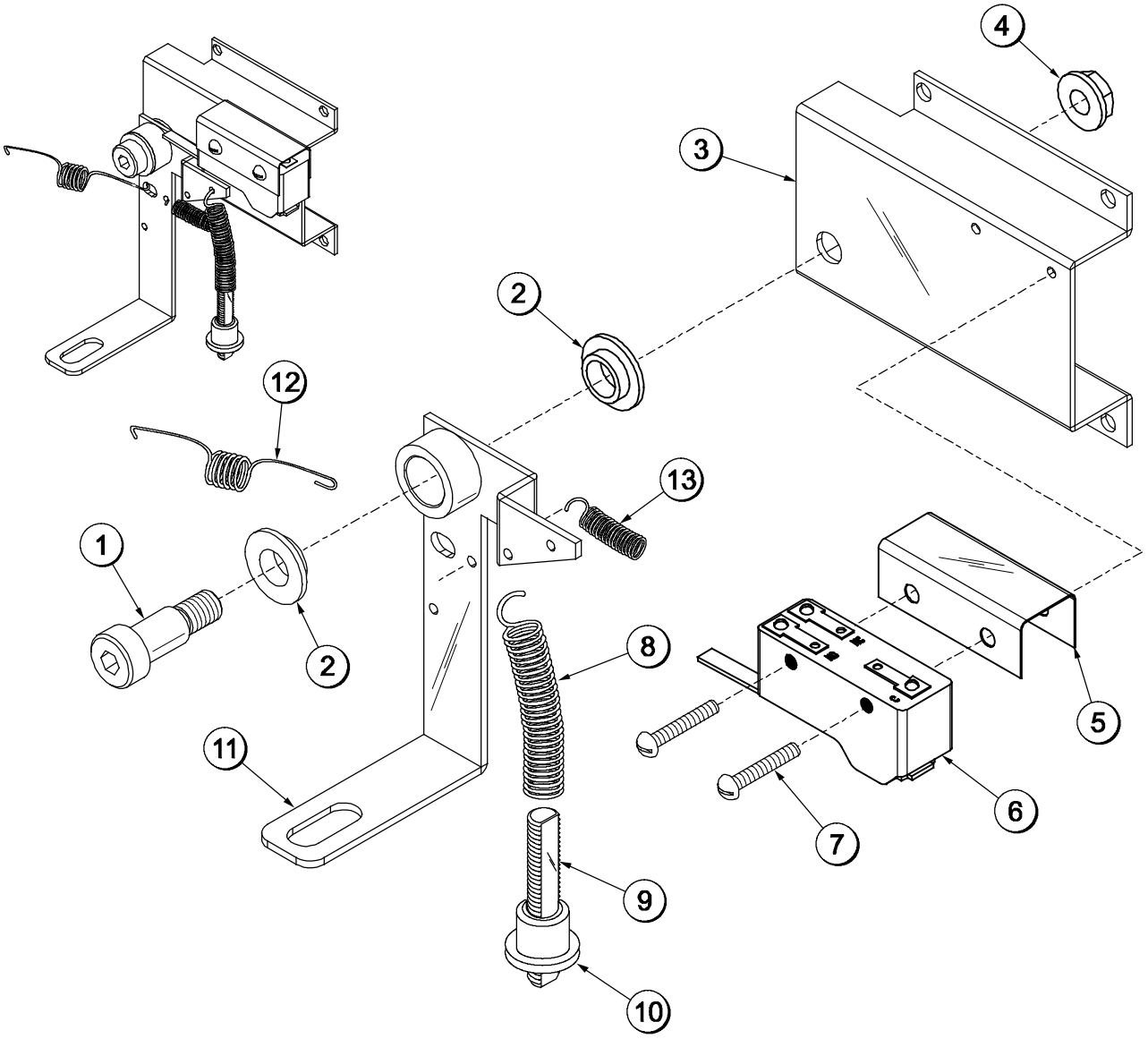
Blower Assembly X53478 - Model 342 (208-230/60/1)



ITEM	DESCRIPTION	PART NO.
1	HOUSING-BLOWER-4 POLE	053727
2	MOTOR-BLOWER FAN HIGH OUTPUT	053480-27
3	BOOT-CAPACITOR INSULATING	031314
4	CAPACITOR-RUN- 10 UF/370V	033047

ITEM	DESCRIPTION	PART NO.
5	BRACKET-CAPACITOR 1-1/4X2-1/16	031205
6	SCREEN-BLOWER	053729
7	WHEEL-BLOWER	053726

Switch A.-Torque X29601-SER - Models 340, 341 & 342



ITEM	DESCRIPTION	PART NO.
1	SCREW-SHOULDER 3/8 X 5/8	037361
2	BUSHING	037904
3	BRACKET-CONTROL	052610
4	NUT-1/4-20 MF LOCK	017523
5	INSULATOR-ARMITE-4 HOLE	012992
6	SWITCH-LEVER-SPDT-20A	027026
7	SCREW-6-32X7/8 SLOTTED RD	007017

ITEM	DESCRIPTION	PART NO.
*8	SPRING-TORQUE *GREEN*	014497
*9	SCREW-ADJUSTMENT	014498
*10	KNOB-ADJUSTMENT	014499
*11	HUB A.-ARM	X52608
*12	SPRING-EXTENSION *SILVER*	029310
*13	SPRING-TORQUE *BLUE*	029259

*SEPARATE ITEMS (NOT PART OF SWITCH A.)

HP62 Refrigerant 340 & 341 J5113655/Up, 342 J5092092/Up

COPELAND COMPRESSOR - 340-J9026004 (230-60-1), 340-J9073064 (230-50-1), 341-J90112199/UP, 342-J8071822/UP

DESCRIPTION	PART NUMBER	340 QTY.	341 QTY.	342 QTY.	WARR. CLASS	REMARKS	PARTS UPDATE
ACCUMULATOR-COPPER 2"DIA 10"LG	047062	1			103		
ADAPTOR A.-CASTER	X18915		4	4	103		
ARM A.-ANTICIPATOR MECHANICAL	X29556-SER	1	1	2	103		
ARM-TORQUE	014500	1	1	2	103		
BEARING-FRONT	013116	1	1	2	000		
BEARING-GUIDE	014496	1	1	2	000	TORQUE ASSEMBLY	
BEARING-REAR SHELL *PLASTIC*	032511	1	1	2	000		
+GUIDE-DRIP SEAL	028992	1	1	2	000		
+NUT-BRASS BEARING	028991	1	1	2	000		
+O-RING-1-1/16 OD X .070 WALL	018432	1	1	2	000		
+WASHER-BEARING LOCK	012864	1	1	2	000		
BEATER A.-7QT-1 PIN-SUPPORT	X46233	1	1	2	103		
+ BLADE-SCRAPER-PLASTIC 9-13/16L	046237	2	2	4	000		
CLIP-SCRAPER BLADE	046238	2	2	4	000		
BELT-V-4L460	013859	1			000		
BELT-V-4L400	007590		1		000		
BELT-V-4L430	009613			2	000		
BLOCK-TERMINAL 2P	039422	1	1	2	103	208-230/60/1	
BLOCK-TERMINAL 2 POLE 115V	039421	1	1	2	103	115/60/1	
BLOWER A.	X30153-		1		103	341-J9012199/UP	137
MOTOR-BLOWER FAN 230V	030157-		1		103		
HOUSING A.-W/WHEEL	X30160-SER		1	1	103		
BLOWER A.	X47833-		1	1	103	341-PRIOR TO J9012199	137
BOOT-CAPACITOR INSULATING	031314		1	1	000		
CAPACITOR-RUN- 15UF/370V	049356		1	1	103	115/60/1	
CAPACITOR-RUN- 10 UF/370V	033047		1	1	103	208-230/60/1	
HOUSING A.-W/WHEEL	X30160-SER		1	1	103		
MOTOR-BLOWER FAN 120V 60HZ	049355-12		1	1	103	115/60/1	
MOTOR-BLOWER-208/230V 50/60	046536-27		1	1	103	208-230/60/1	
BRUSH-DOUBLE ENDED-PUMP&FEED TUBE	013072	1	1	1	000		

+ Available Separately

+ Available Separately

DESCRIPTION	PART NUMBER	340 QTY.	341 QTY.	342 QTY.	WARR. CLASS	REMARKS	PARTS UPDATE
BRUSH-DRAW VALVE 1"ODX2"X17"L	013073	1	1	1	000		
BRUSH-MIX PUMP BODY-3"X7"WHITE	023316	1	1	1	000		
BRUSH-REAR BRG 1IN.DX2IN.LGX14	013071	1	1	1	000		
CASTER-SWV 5/8 STEM 4IN W	018794		4	4	103		
COMPRESSOR - RS80C1E-CAV - COPELAND	051958-	1	1	2	512	340-J9026004/UP - (230 V Only), 341-J9012199/UP, 342-J8071822/UP	134, 137, & 140
+CAPACITOR-RUN 20UF/440V	012906	1	1	2	103	208-230/60/1	
+CAPACITOR-START 189-227UF/330V	033044-1	1	1	2	103	208-230/60/1	
+RELAY-COMPRESSOR-START	051957-27	1	1	2	103	208-230/60/1	
COMPRESSOR L61B562BBCB - BRISTOL	048727-	1	1	2	512	340 - J5113655-J9026004 (230V Only), 341-J5113655-J9012198, 342-J5092092-J8071821	
+CAPACITOR-RUN- 20UF/370V	023606	1	1	2	103	208-230/60/1	
+CAPACITOR-START-161-193UF/250V	031790	1	1	2	103	208-230/60/1	
+RELAY-START-COMPRESSOR	048765	1	1	2	103	208-230/60/1	
+CAPACITOR-RUN- 20UF/370V	023606	1	1	2	103	115/60/1	
+CAPACITOR-START-189-227UF/330V	033044-1	1	1	2	103	115/60/1	
+RELAY-START-COMPRESSOR	049656	1	1	2	103	115/60/1	
COMPRESSOR AJ7455Z *-115V-TECUMSEH	050301-12	1			512	115/60/1 J6053972/UP	
+CAPACITOR-RUN- 15UF/370V	027087	1			103	115/60/1 J6053972/UP	
+CAPACITOR-START-340-408UF/165V	047608	1			103	115/60/1 J6053972/UP	
+RELAY-START-COMPRESSOR	047609	1			103	115/60/1 J6053972/UP	
*** Also includes serial numbers J6041406 thru J6041448, and J6041459 thru J6041472.**							
CONDENSER-AC-15LX14HX2.59T-3RW	046558	1			103		
CONDENSER-AC-12LX18HX2.6T	048233		1	2	103		
CONTROL-MIX LEVEL	031799-	1	1	2	103		
COVER A.-HOPPER-STD	X38458-SER	1	1	2	103		
+GASKET-HOPPER COVER-20 QT-SGL	038375	1	1	2	000		
KNOB-MIX COVER	025429	1	1	2	103		
DECAL-CLEAN INST.-HOPPER	019029	1	1	1	000		
DECAL-DEC-TAYLOR	021872	1	1	1	000	340 & 341 - PRIOR TO J7010000	

+ Available Separately

DESCRIPTION	PART NUMBER	340 QTY.	341 QTY.	342 QTY.	WARR. CLASS	REMARKS	PARTS UPDATE
DECAL-DEC-TAYLOR 490	048359	1	1		000	J7010000/UP	
DECAL-TROUBLESHOOTING	038374	1	1	1	000		
DEFLECTOR-BLOWER-EXHAUST	047912			1	103	J8071822/UP	134
DEFLECTOR-BLOWER EXHAUST	048345		1		103		
DIAGRAM-WIRING *342*	052720-27			1	000	J8071822/UP	134
DIAGRAM-WIRING *340-341-342*	049359	1	1	2	000	342 PRIOR TO J8071822	
DOOR A.-PARTIAL *340-350-450*	X39248-SER	1	1	2	103		
+BUSTER-ICE	047735	1	1	2	103		
+GASKET-DOOR 5.109”ID X 5.630OD	014030	1	1	2	000		
+HANDLE A.-DRAW-SLUSH-BLUE	X25124	1	1	2	103		
+VALVE A.-HANDLE PIN	X25929	1	1	2	103		
+VALVE-DRAW *SLUSH* ICE BUSTER	047734	1	1	2	103		
+O-RING-1”OD X .139W	032504	2	2	4	000		
DRYER-FILTER-HP62-3/8 X 1/4S	048901	1	1	2	000		
GEAR A.*REDUCER	015985	1	1	2	212		
GUARD-BELT	023843			1	103		
GUIDE A.-DRIP PAN	X47190	1	1		103		
GUIDE A.-DRIP PAN	X28698			2	103		
HOOD *310-311 320-321	021222	1			103		
HOOD *410-40-41-710-41	023285		1		103		
HOOD	023263			1	103		
HUB-5/8 BORE SPLIT	027815	1	1	2	103	GEAR PULLEY - USE W/ OLD STYLE 010840 PULLEY	
KIT A.-TUNE UP*SLUSH*	X39969	1	1	2	000		
BEARING-FRONT	013116	1	1	2	000		
BEARING-GUIDE	014496	1	1	2	000		
GASKET-DOOR 5.109”ID X 5.630OD	014030	1	1	2	000		
O-RING-.291 ID X .080W	018550	1	1	2	000		
O-RING-1”OD X .139W	032504	2	2	4	000		
O-RING-7/8 OD X .139W	025307	1	1	2	000		
SEAL-DRIVE SHAFT	032560	1	1	2	000		
TOOL-CLEANING 0-RING REMOVAL	048260-WHT	1	1	2	000		
KNOB-ADJUSTMENT	014499	1	1	2	103		

+ Available Separately

DESCRIPTION	PART NUMBER	340 QTY.	341 QTY.	342 QTY.	WARR. CLASS	REMARKS	PARTS UPDATE
+SCREW-ADJUSTMENT	014498	1	1	2	103		
LABEL-DOOR CAUTION	032749	1	1	1	000		
LABEL-SW-WASH/OFF/AUTO-SYMBOL	014502	1	1	2	000		
LABEL-WARN-COVER	051433	5	5	7	000		
LEG-4” SS-W/ORING	013458	4			103		
LIGHT-AMBER-RECT-250VAC-ADD MIX (NEW)	047141-	1	1	2	103	340-J8120000/UP(115V), 340-J9026004/UP (230V), 341-J9012199/UP, 342-J8071822/UP	134, 137 & 140
LIGHT-INDICATOR-RED-RECT.	023056-	1	1	2	103	OLD STYLE	
LOUVER-SIDE	013631	1	2		103	340 UPPER LEFT SIDE	
LOUVER-SIDE	017471			2	103		
LUBRICANT-TAYLOR 4 OZ.	047518	1	1	1	000		
MAN-OPER 340/341/342	028764-M	1	1	1	000		
MOTOR-1/4 HP	014477-	1	1	2	212		
MOTOR-FAN 120 W 115V 60HZ	041401-12	1			103	115/60/1	
+BRACKET-FAN	038641	1			103		
+CAPACITOR-RUN-7.5UF/370V	034749	1			103		
+FAN-5 BLADE 12”PUSH 32DEG CCW	047279	1			103		
MOTOR-FAN 120 W 208/230V 60HZ	041401-27	1			103	PRIOR TO J9026004 (230V)	140
+BRACKET-FAN *453*750*	038641	1			103		
+CAPACITOR-RUN- 4UF-370V	019624	1			103	208-230/60/1	
+FAN-5 BLADE 12”PUSH 32DEG CCW	047279	1			103		
MOTOR-FAN 80 WATT 1550 RPM (NEW)	051744-27	1			103	J9026004/UP (230V)	140
+CAPACITOR-RUN-4UF/440V	051785	1			103	J9026004/UP (230V)	140
+FAN-5 BLADE 12”PUSH 32DEG CCW	047279	1			103		
NUT-STUD *340-342-344-350-450*	029880	4	4	8	103	HANDSCREWS	
PAIL-6 QT.	023348	1			000		
PAIL-MIX 10 QT.	013163		1	1	000		
PAN-DRIP 19-1/2 LONG	035034	1	1		103		
PAN-DRIP 11-5/8 LONG	027503			2	103		
PANEL A.-FRONT	X46881	1	1		103		
PANEL A.-FRONT	X25807			1	103		
PANEL A.-SIDE	X44853			1	103		

DESCRIPTION	PART NUMBER	340 QTY.	341 QTY.	342 QTY.	WARR. CLASS	REMARKS	PARTS UPDATE
PANEL A.-SIDE	X44855			1	103		
PANEL A.-SIDE LOWER	X24397		2				
PANEL-REAR	013637		1		103		
PANEL-REAR *390*340*490*	047008	1			103		
PANEL-REAR	017563			1	103		
PANEL-SERVICE *341*	013638-SP1		1		103		
PANEL-SERVICE *342*	024439-SP1			1	103		
PANEL-SIDE *390*340*490*LEFT	047006	1			103		
PANEL-SIDE *390*340*490*RIGHT	047007	1			103		
PANEL-SIDE *5472 HT* UPPER	042317	1			103	UPPER RIGHT SIDE	
PANEL-UPPER SIDE *410-15*	024576		2		103		
PANEL-UPPER SIDE LEFT	028700			1	103		
PANEL-UPPER SIDE RIGHT	028701			1	103		
PLATE-DEC-340-341	043456	1	1		103		
PLATE-DEC-TWIN	022602-BLK			1	103		
PLUG-DRIP TRAY HOLE	029595		1		000	OLD STYLE	
PROBE A.-MIX *SQUARE*	X30922	1	1	2	103		
+DISC-PROBE *SQ HOLE*	030965	1	1	2	103		
+SPACER-PROBE *SQ HOLE*	030966	1	1	2	103		
PULLEY-AK23-1/2	013997	1	1	2	103	BEATER MOTOR	
PULLEY-AK69	051012	1	1	2	103	GEAR (REPLACES 010840 - 1/31/97)	
RELAY-3 POLE-20A-208/240 50/60	012725-	1	1	2	103		
SANITIZER KAY-5 125 PACKETS	041082	1	1		000		
SANITIZER-STERA SHEEN-GREEN	065293			1	000		
SHAFT-BEATER *341-2 RFB*	035418	1	1	2	103		
+O-RING-7/8 OD X .139W	025307	1	1	2	000		
+SEAL-DRIVE SHAFT	032560	1	1	2	000		
SHELL A.-INSULATED *340*	X39936-SP1	1	1	2	512		
+STUD-NOSE CONE-5/16-18X5/16-18	013496	4	4	8	103		
SHIELD-SPLASH 15"L X 5-13/32"W	022763	1	1		103		
SHIELD-SPLASH	037041			1	103		
SHROUD-FAN	052472	1			103	J9026004/UP	140
SHROUD-FAN	039023	1			103	PRIOR TO J9026004	140

+ Available Separately

071017

+ Available Separately

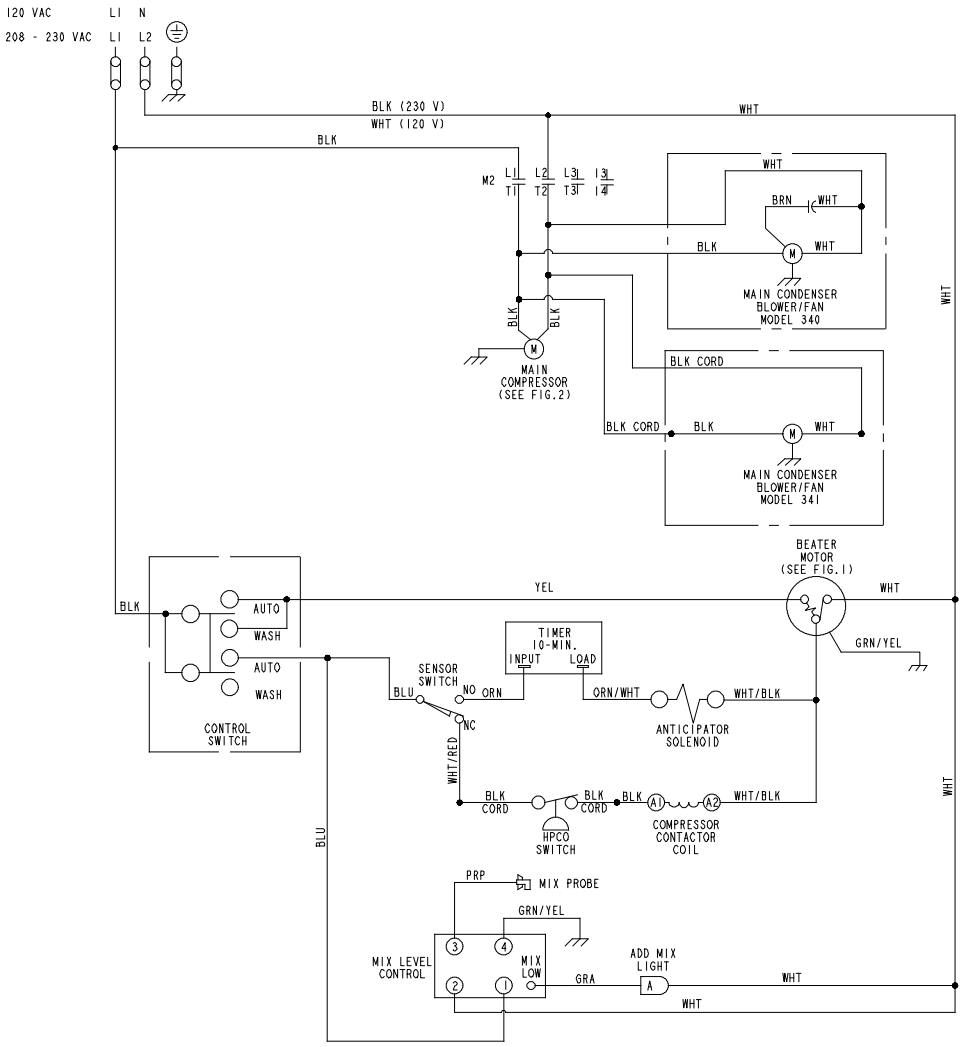
DESCRIPTION	PART NUMBER	340 QTY.	341 QTY.	342 QTY.	WARR. CLASS	REMARKS	PARTS UPDATE
SKIRT-AIR FLOW *062*340*AC	049069	1			103		
+COLLAR-HOLDING	019481	2			103		
+SCREW-10-32X3/4 OVAL HD-SS	001086	2			000		
SOLENOID-PULL	030202-	1	1	2	103		
SPRING-EXTENSION.375X.025X2.25	029310	1	1	2	103	TO SOLENOID	
SPRING-TORQUE*BLUE*	029259	1	1	2	103	RETURN SPRING	
SPRING-TORQUE*GREEN*	014497	1	1	2	103	HARD SLUSH	
SWITCH A.-TORQUE *340-341-342*	X29601-SER	1	1	2	103		
BUSHING-1/2OD X 3/8ID-PLASTIC	014474	2	2	4	000		
HUB A.-ARM	X29602	1	1	2	103		
HUB-PIVOT	014475	1	1	2	103		
SWITCH-LEVER-SPDT-20A-125-480V	027026	1	1	2	103		
SWITCH-PRESSURE 440 PSI-SOLDER	048230	1			103	115/60/1	
SWITCH-PRESSURE 405 PSI-SOLDER	052663	1	1	2	103	COPELAND COMP. INTERCHANGE-ABLE W/048230 ON SLUSH UNITS	134, 137 & 140
SWITCH-TOGGLE-DPDT*ON-OFF-ON	014464	1	1	2	103		
TIMER-DELAY ON MAKE-10 MIN	029312-	1	1	2	103		
TORQUE A. *340-1-2-3-50-1-450*	X14488	1	1	2	103		
+O-RING-.291 ID X .080W	018550	1	1	2	000		
TRAY-DRIP 14-7/8L X 5-1/8 SGL	013690	1	1		103		
TRAY-DRIP 22-7/8L X 5-1/8W	014533			1	103		
TRIM-CORNER *390*LEFT	047002	1			103		
TRIM-CORNER *390*RIGHT	047003	1			103		
TRIM-FRONT *390*	047001	1			103		
TRIM-REAR CORNER	013620		2		103		
TRIM-REAR CORNER	013663			1	103		
TRIM-REAR CORNER	013761			1	103		
TUBE-FEED-3/8 HOLE	015176-9	1	1	2	103		
VALVE-ACCESS 1/4FL X 3/8S	043232		1	2	103		
VALVE-ACCESS 1/4FL X 3/8SDR-90	044455	1			103	LOW SIDE	
VALVE-ACCESS-1/4 MFLX1/4 S-90	047016	1	1	2	103	DISCHARGE LINE	
VALVE-EXP-AUTO-1/4S X1/4 FPT	046365	1	1	2	103		
+BOOT-EXPANSION VALVE	050900	1	1	2	000		

+ Available Separately

DESCRIPTION	PART NUMBER	340 QTY.	341 QTY.	342 QTY.	WARR. CLASS	REMARKS	PARTS UPDATE
WATER COOLED							
ACCUMULATOR-COPPER 2"DIA 10"LG	047062	1	1	2	103		
BLOWER-100 CFM	012796-		1	1	103		
BRACKET-MOUNTING-WATER VALVE	038777	1	1		103		
CONDENSER-WC-COAX	048287		1	2	103		
CONDENSER-WC-SPIRAL 11-1/2 OD	049309	1			103		
GUARD-BLOWER	022505			2	103		
HOSE-RUBBER 1/2 ID X 7/8 OD	R50200	4ft	4ft	8ft	000		
MOTOR-FAN 9 WATT 1550RPM-CW	012768-	1			103		
+FAN-5 BLADE 7 " PUSH 30DEG CW	016289	1			103		
OUTLET A.-TEE	X25900			1	103		
PANEL A.-SIDE LOWER	X24397			2	103		
SWITCH-PRESSURE 350 PSI-SOLDER	048231	1	1	2	103		
TEE-3/8" PIPE WATER VALVE	032953			1	103		
VALVE-WATER 3/8 REG/HEAD PRESS	046686	1	1	2	103		
50Hz							
BELT-V-4L470	007994	1			000		
BELT-V-4L410	007530		1		000		
BELT-V-4L440	009387			2	000		
BLOCK-TERMINAL-7 POLE GREEN	024156		1	2	103		
COMPRESSOR RS80C1E-CAZ (COPELAND)	051958-	1	1	2	512	340-J9073064/UP (208-230/50/1) 341-J9012199/UP, 342-J8071822/UP	
+CAPACITOR-RUN - 20UF/370V	023606	1	1	2	103	208-230/50/1	
+CAPACITOR-START-64-77UF/250	051960	1	1	2	103	208-230/50/1	
+RELAY-START-COMPRESSOR	051957-40	1	1	2	103	208-230/50/1	
COMPRESSOR L61B562BBKB (BRISTOL)	048727-	1	1	2	512		
+CAPACITOR-RUN- 15UF/370V	027087	1	1	2	103	208-230/50/1	
+CAPACITOR-START-161-193UF/250V	031790	1	1	2	103	208-230/50/1	
+RELAY-START-COMPRESSOR	048766	1	1	2	103	208-230/50/1	
DIAGRAM-WIRING *340-341-342*	049359-40	1	1	2	000		
MOTOR-FAN 100W 220-240V 50HZ	047178-34	1	1		103	208-230/50/1	
PULLEY-AK27-1/2	016190	1	1	2	103	BEATER MOTOR	

+ Available Separately

DESCRIPTION	PART NUMBER	340 QTY.	341 QTY.	342 QTY.	WARR. CLASS	REMARKS	PARTS UPDATE
REFRIGERATED HOPPER - 4 MINUTE TIMER (COPELAND)							
ARM A.-ANTICIPATOR	X50536	1	1	2	103		
BEATER ASSEMBLY	X46233	1	1	2	103		
+BLADE-SCRAPER	046237	2	2	4	000		
+CLIP-SCRAPER BLADE	046238	2	2	4	103		
BELT-V-4L410	007530		1		000		
DIAGRAM-WIRING	049360	1	1		000		
DIAGRAM-WIRING	052722-			1	000		
HUB A.-ARM	X29602	1	1	2	103		
MOTOR-1/2 HP	024839-27	1	1	2	103	208-230/60/1	
PANEL A.-SIDE LEFT	X51361	1			103		
PANEL-SERVICE	024439			1	103		
PULLEY-AK64-5/8	007538	1	1	2	103	GEAR	
PULLEY-AK34-5/8	016055	1	1	2	103	MOTOR	
SHELL A.-INSULATED	X46878	1	1	2	512		
STARTER-1 PHASE 2 TO 3.3 AMP	041950-27H	1	1	2	103	208-230/60/1	
SWITCH-LEVER SPDT - 20A	027026	2	2	4	103	TORQUE	
SWITCH-TOGGLE 3PDT	017184	1	1	2	103	POWER	
TIMER A.-CYCLE 4 OFF - 9 ON	X38055-27	1	1	2	103		
VALVE-ACCESS - 1/4FL X 1/4SOLDER	044404	1		2	103		
VALVE-EPR	022665	1	1	2	103		



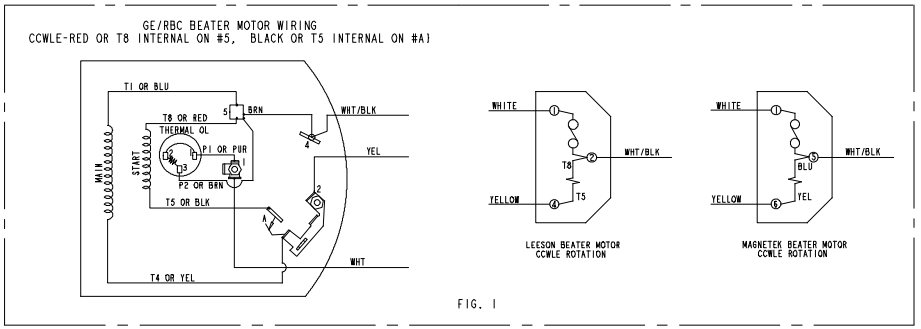


FIG. 1

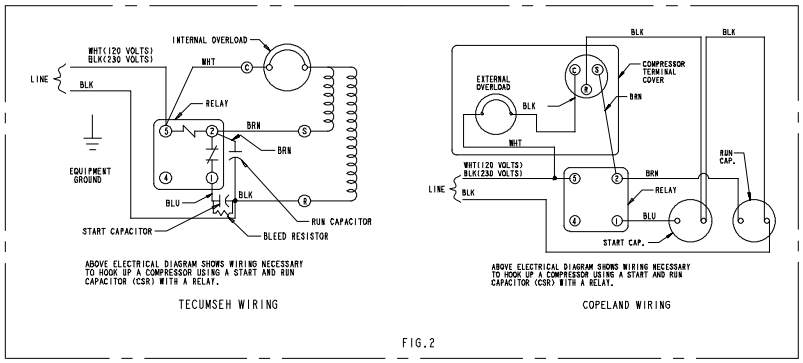
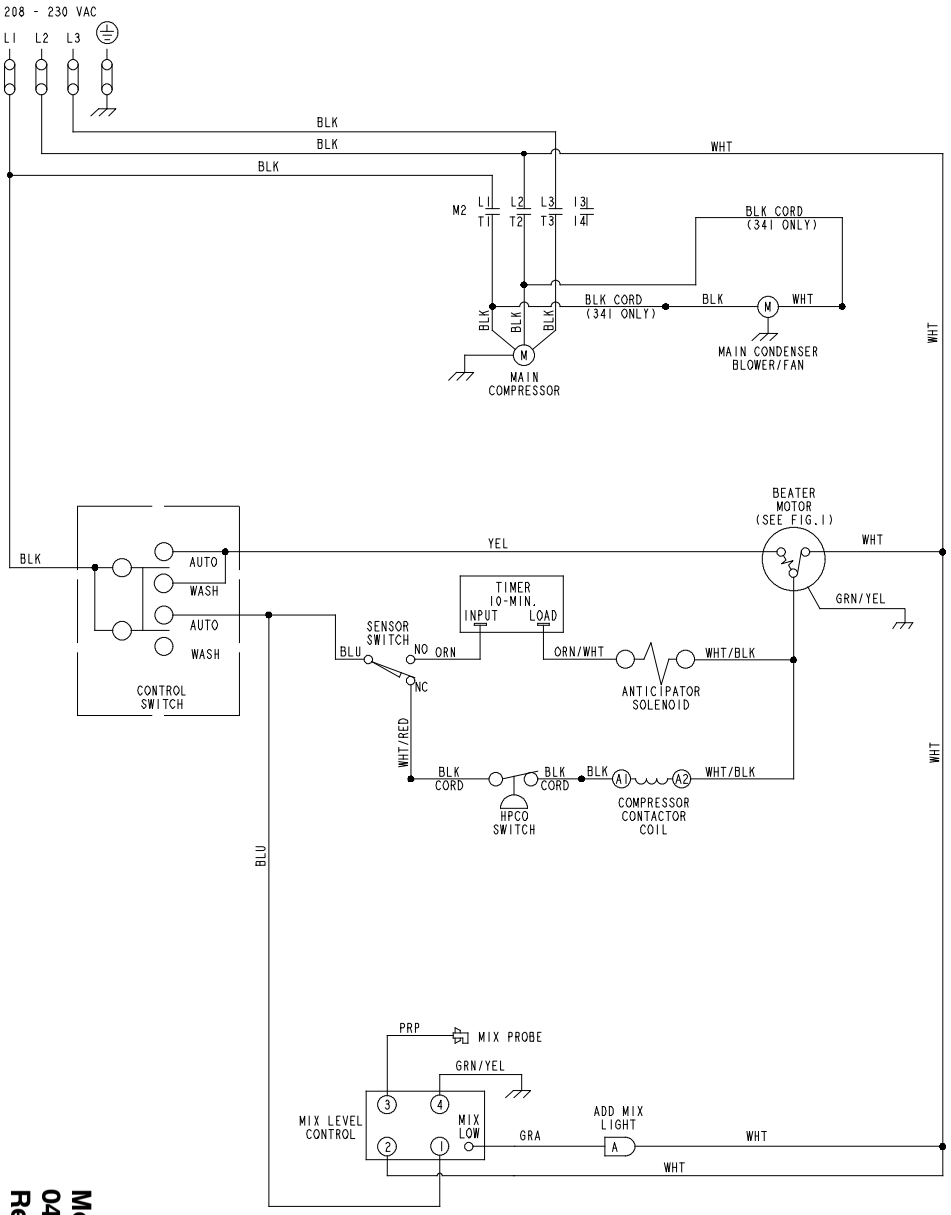


FIG.2

Models 340/341
049359
Rev. 10/08



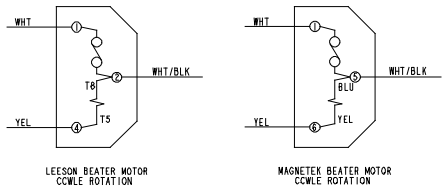
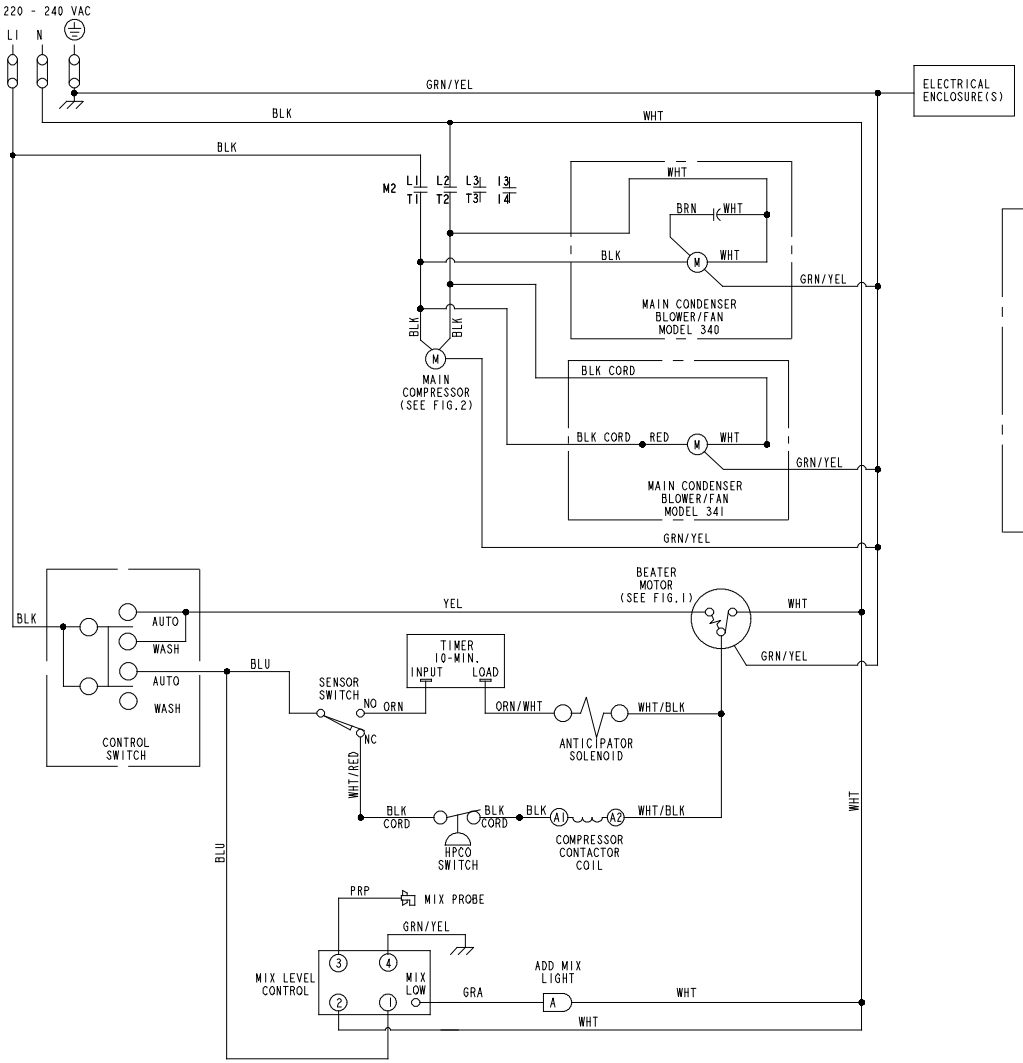


FIG. 1

Model 341
049359-33
Rev. 10/08



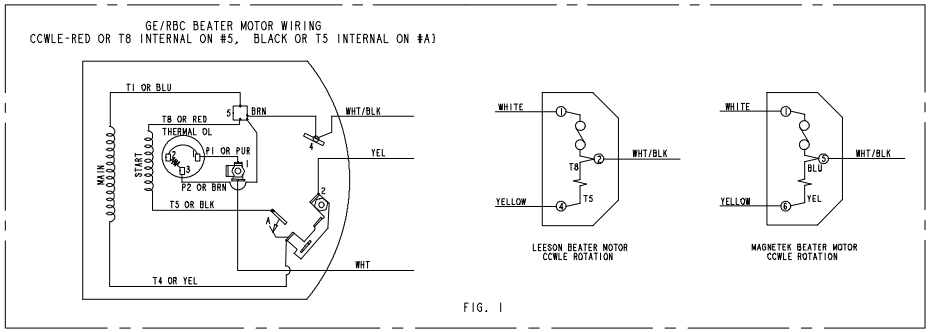
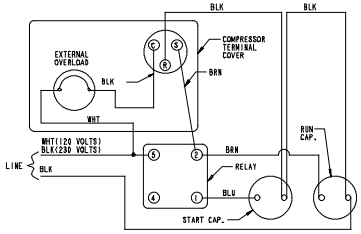


FIG. 1

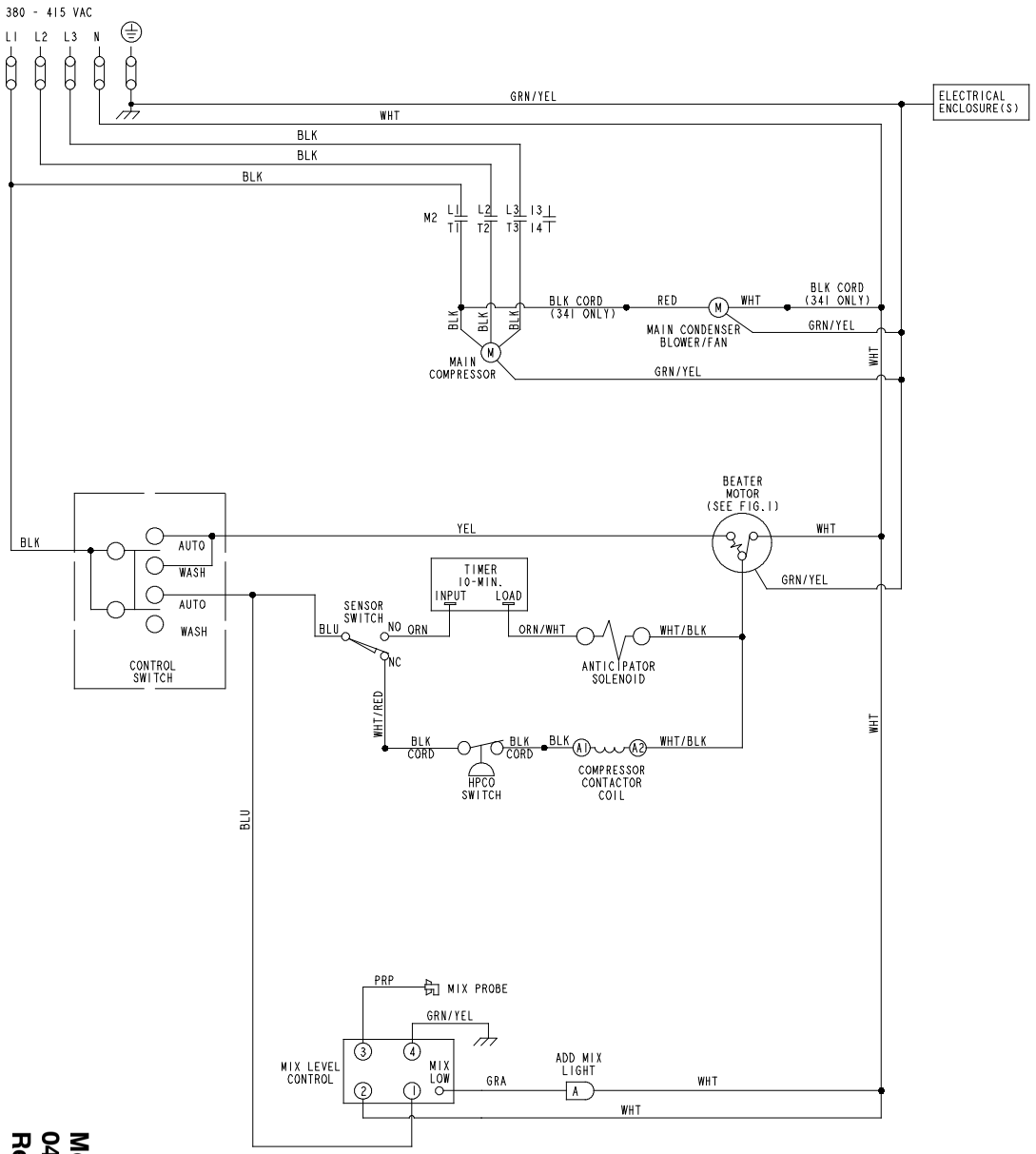


ABOVE ELECTRICAL DIAGRAM SHOWS WIRING NECESSARY TO HOOK UP A COMPRESSOR USING A START AND RUN CAPACITOR (CSR) WITH A RELAY.

COPELAND WIRING

FIG. 2

Model 340/341
049359-40
Rev. 10/08



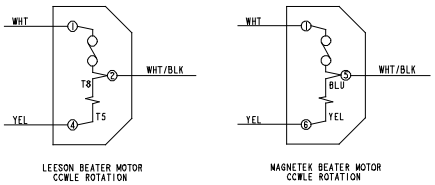
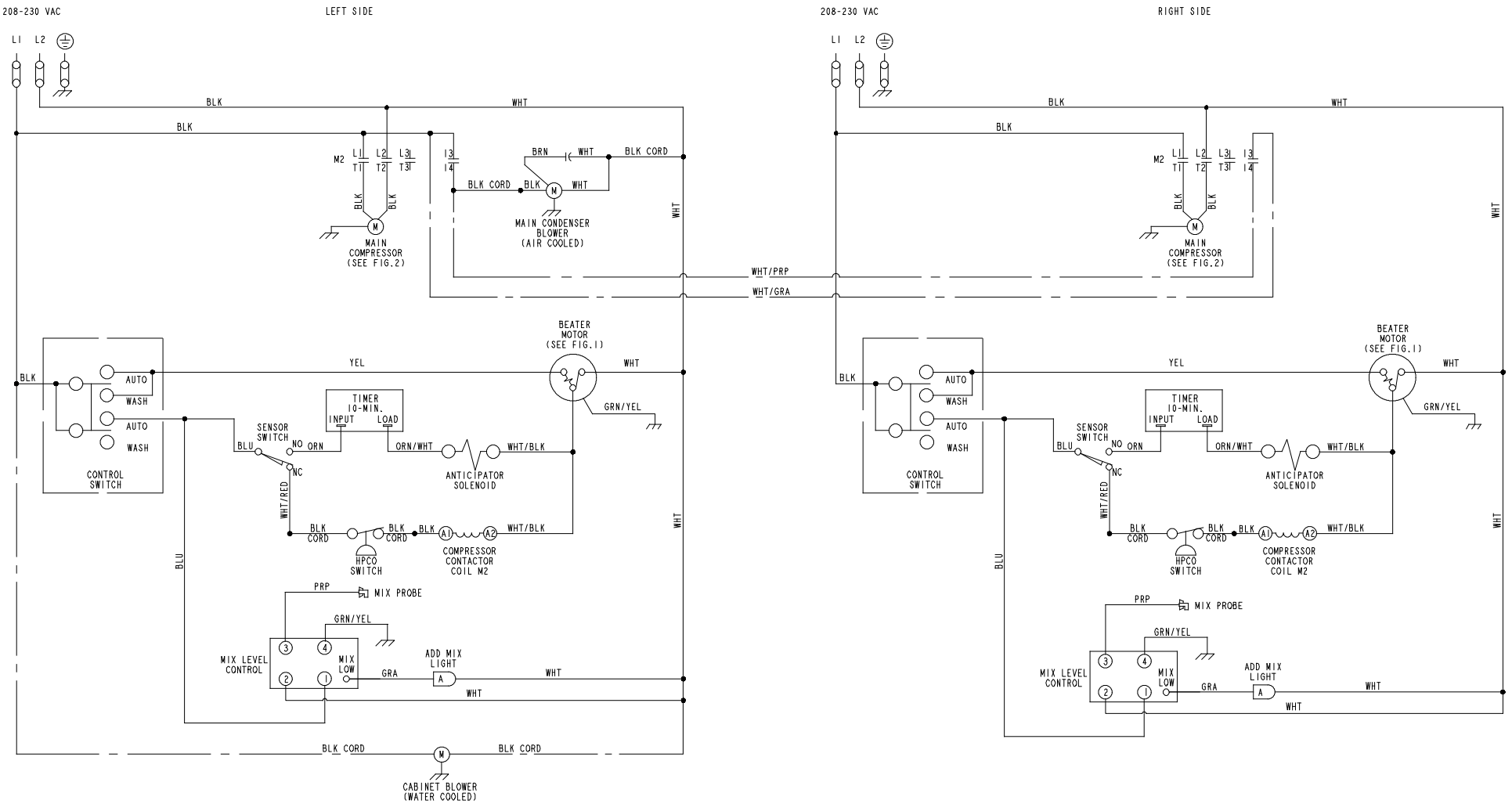


FIG. 1

Model 341
049359-58
Rev. 10/08



GE/RBC BEATER MOTOR WIRING
CCWLE-RED OR T8 INTERNAL ON #5, BLACK OR T5 INTERNAL ON #A1

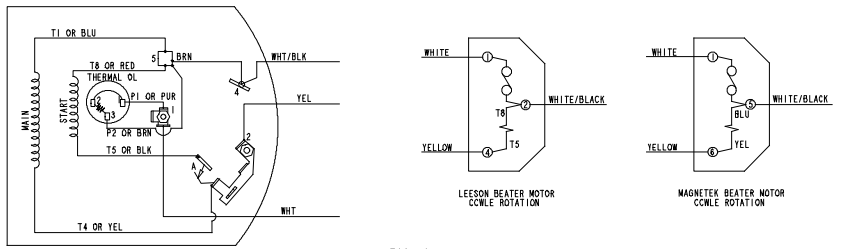
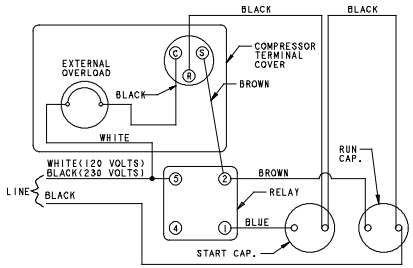


FIG. 1



ABOVE ELECTRICAL DIAGRAM SHOWS WIRING NECESSARY TO HOOK UP A COMPRESSOR USING A START AND RUN CAPACITOR (CSR) WITH A RELAY.

FIG. 2

Model 342
052720-27
Rev. 10/08

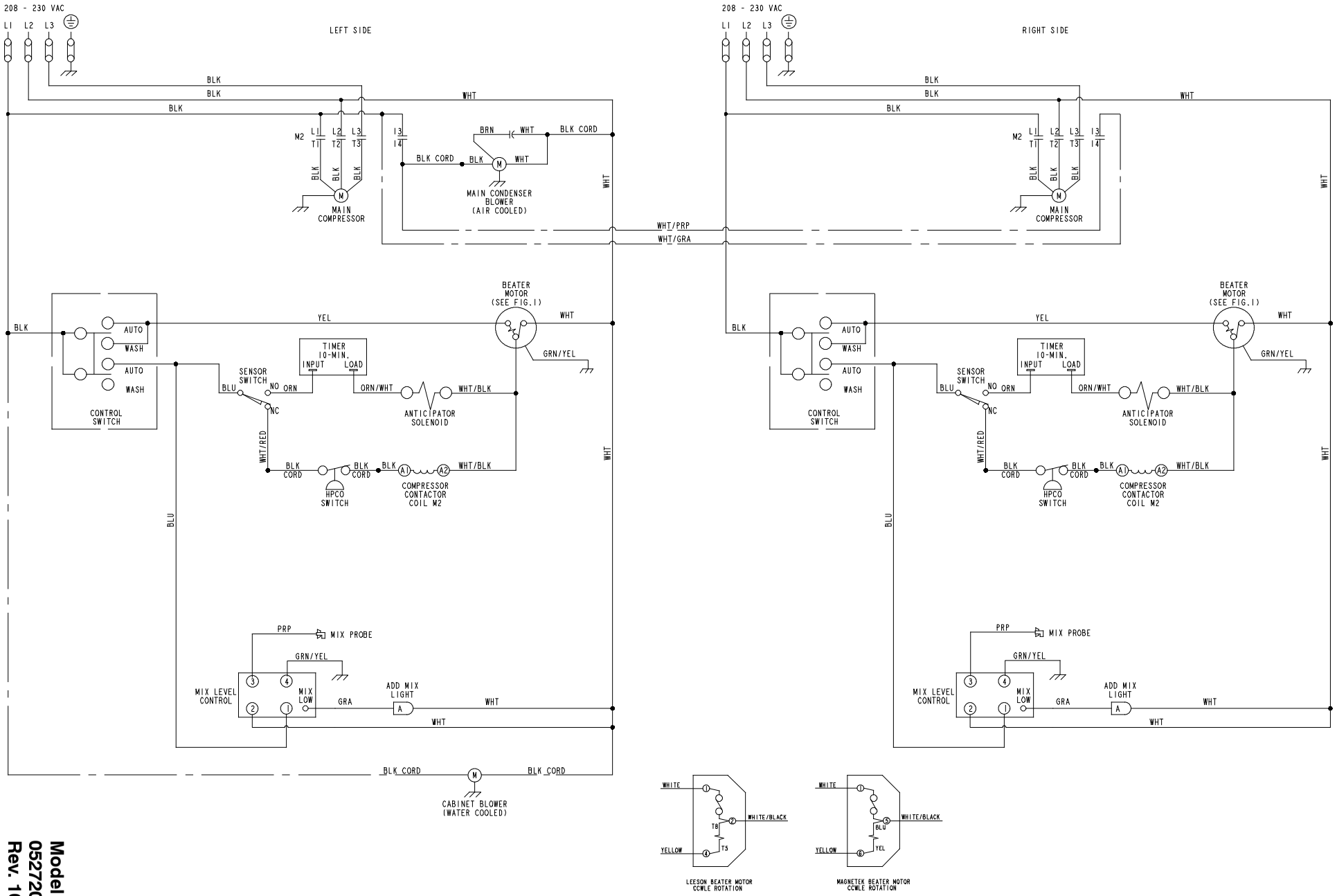
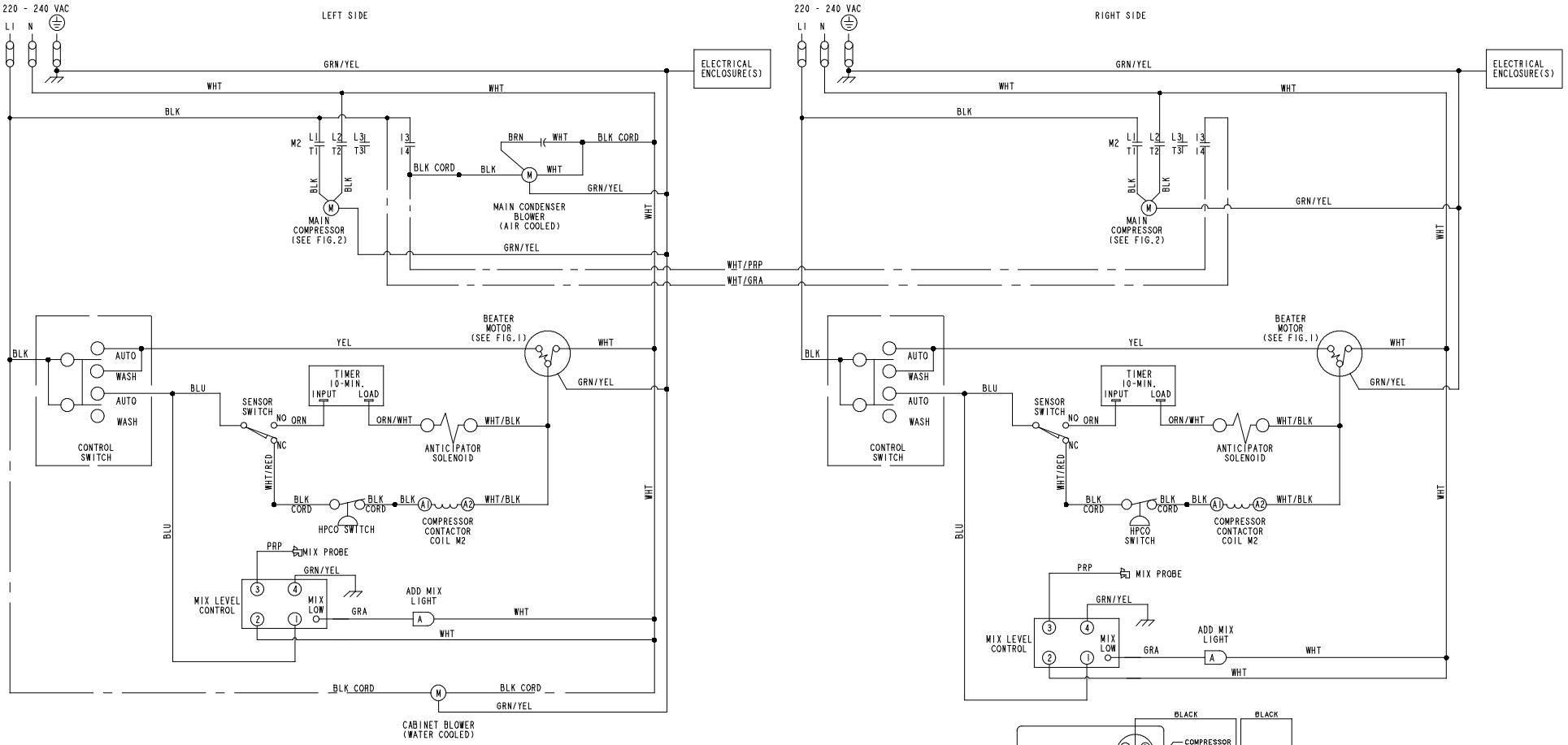
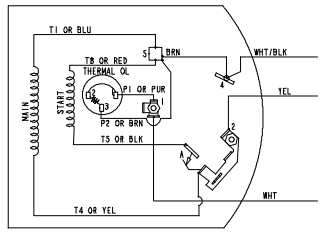


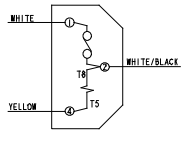
FIG. 1

Model 342
052720-33
Rev. 10/08

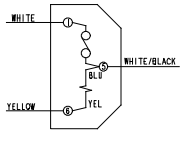


GE/RBC BEATER MOTOR WIRING
CCWLE-RED OR T8 INTERNAL ON #5, BLACK OR T5 INTERNAL ON #A)



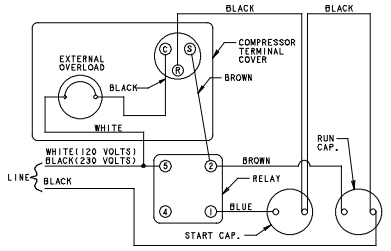


LEESON BEATER MOTOR CCWLE ROTATION



MAGNETEK BEATER MOTOR CCWLE ROTATION

FIG. 1



ABOVE ELECTRICAL DIAGRAM SHOWS WIRING NECESSARY TO HOOK UP A COMPRESSOR USING A START AND RUN CAPACITOR (CSR) WITH A RELAY.

FIG. 2

Model 342
052720-40
Rev. 10/08

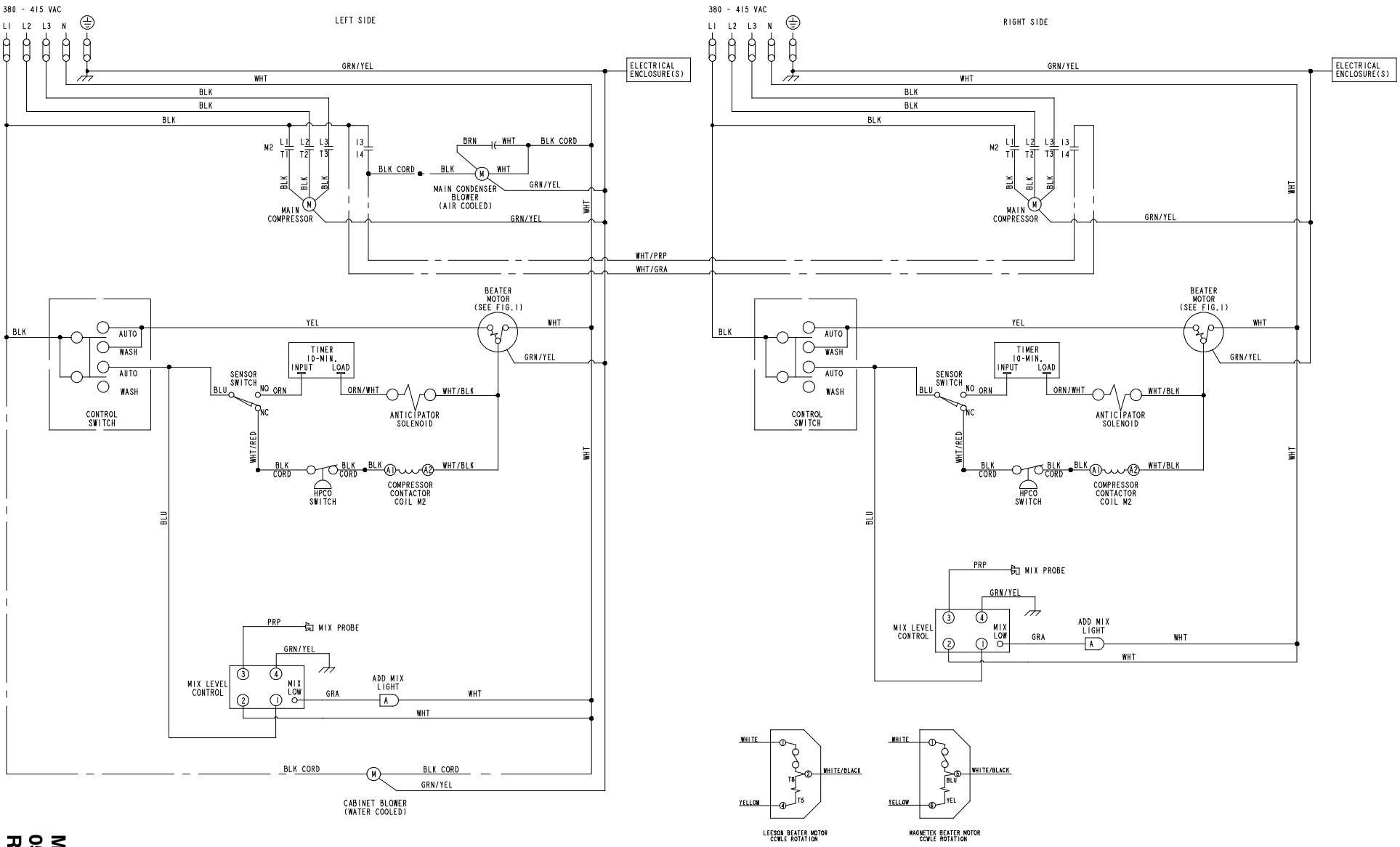


FIG. 1

Model 342
052720-58
Rev. 10/08